CUMULATIVE INDEX 1992, 1993, AND 1994

1992 (Volume 9)

January PERIPHERAL VASCULAR DISEASE IN THE LOWER EXTREMITY.

pages 1-210

April PHARMACOLOGY, pages 211-510

July LASER SURGERY: APPLICATIONS AND TECHNIQUES, pages

511-820

October ACQUIRED IMMUNODEFICIENCY SYNDROME AND ITS

RELATIONSHIP TO PODIATRIC PRACTICE, pages 821-1021

1993 (Volume 10)

January THE GERIATRIC PATIENT AND CONSIDERATIONS OF AGING I,

pages 1-186

April THE GERIATRIC PATIENT AND CONSIDERATIONS OF AGING

II, pages 187-362

July TREATMENT AND BIOMECHANICAL ASSESSMENT USING

COMPUTERS, pages 363-580

October SOFT-TISSUE AND BONE TUMORS, pages 581-770

1994 (Volume 11)

January PAIN MANAGEMENT, pages 1-182

April SHOES, ORTHOSES, AND RELATED BIOMECHANICS, pages 183-

370

July ARTHROSCOPY, pages 371–544

October PERIPHERAL NERVE PROBLEMS, pages 545-716

 $\it Note$: The volume year is in $\it italic$ type. Page numbers of article and issue titles are in $\it boldface$ type.

Abductor digiti minimi, nerve to, entrapment of, heel pain in, 1994:617– 624

Abscess, subungual, 1993:61 Absorption, of drugs, 1992:212–215. See also specific drug.

interactions and, 1992:225-226, 228-229

Absorption coefficient, of lasers, 1992:532– 533

Acanthosis nigricans, in elderly persons, 1993:87–88

Accessory ossicles, in elderly persons, 1993:105

Accommodations, local, in orthotics fabrication, 1993:373

Accommodative padding, for pressure ulceration, 1994:340

Acetaminophen, for elderly persons, 1994:45–46

for pediatric patients, 1994:33 in acute pain, 1994:153–154 in postoperative pain, 1994:61

Acetohexamide, pharmacology of, 1992:251–252

Acetylsalicylic acid, for pediatric patients, 1994:33

Achilles tendon, anatomy of, 1992:781-783 lengthening of, in ankle equinus deformity, 1992:802-810

in stroke-related deformities, 1994:638–639

surgery on, in ankle equinus deformity correction, 1992:781–812 anatomy of, 1992:781–783 healing and, 1992:800–802 muscular activity and, 1992:790 percutaneous, 1992:806–809 techniques for, 1992:801–810

Acquired immunodeficiency syndrome. See Human immunodeficiency virus infection. Acrocyanosis, 1992:146–148

Acromegaly, in elderly persons, radiologic abnormalities in, 1993:110

Acrylic polymers, for orthosis, 1994:222 Actinic keratosis, 1993:88

Activity level, orthosis design for, 1994:227 Acupressure, in acute pain, 1994:154

Acupuncture, 1994:143 in acute pain, 1994:154

Acyclovir, in herpes virus infections, 1992:869, 1993:266

ADAM software, 1993:563–576 customized use of, 1993:565, 567 for patient education, 1993:572, 574 for risk management, 1993:574 functions of, 1993:567, 572 future of, 1993:575 history of anatomic study and, 1993:564-565

in podiatry practice, 1993:572 multilevel dissection with, 1993:565 referrals and, 1993:575

upgrade modules for, 1993:567 Adductovarus deformity, of fifth toe,

Adhesive lesions, anterior central zone, 1994:390, 392

anterior lateral zone, 1994:388–389 anterior medial zone, 1994:392 arthroscopy for, 1994:519

lasers in, 1994:490–491, 494–496 of talocrural joint, 1994:387–392 diagnosis of, 1994:386–387

of talocrural joint. See under Talocrural joint.

radiography of, 1994:386–387 Adipose tumors, epidemiology of, bone, 1993:588

soft-tissue, 1993:595–596 Adjuvant therapy, in bone tumors, 1993:723–724

Adrenal gland, HIV infection effects on, 1992:832

Adrenocorticosteroids. See Corticosteroids. Age, laser surgery and, 1992:637
Aging, 1993:7–22. See also Elderly persons.

bone tumors and, 1993:634 physiologic changes in, 1993:23–24 cardiovascular, 1993:7–8

central nervous system, 1993:15–17 dermal, 1993:14, 227–228 endocrine, 1993:13–14

gastrointestinal, 1993:9-11 glucose intolerance, 1993:233-234

hematologic system, 1993:17 immune response in, 1993:250–251 nonspecific, 1993:251–252

specific, 1993:252-254 immune system, 1993:17-18 kidney, 1993:11-13 liver, 1993:11

lymph system, 1993:189 musculoskeletal, 1993:14 pulmonary, 1993:8–9

sensory, 1993:14–15 vascular, 1993:187–188, 209

AIDS. See Human immunodeficiency virus infection.

AIDS dementia complex, 1992:826, 845 AIDS-related complex, 1992:822

Albright's syndrome, differential diagnosis of, 1993:706

Albumin, wound healing and, 1993:329-

Aldose reductase, in diabetic neuropathy, 1992:260–261

Aldose reductase inhibitors, in diabetic neuropathy, 1992:262–265 Alginate dressings, for ulcer, 1993:341 Allen's extension of elevational pallor test.

1993:193

Allergy, in insulin therapy, 1992:248–249 prevention of, in laser surgery, 1992:641 to drugs, in HIV infection, 1992:863 Allodynia, in reflex sympathetic dystrophy,

1994:77

Allopurinol, in gout, 1993:150–151 Allylamine antifungal agents, pharmacology of, 1992:275–276

Alpha-2 agonists, for pediatric patients, 1994:33-34

Alrestatin, in diabetic neuropathy, 1992:263–264

Alternating modulation frequency (interferential current) therapy, 1994:170-171

Alzheimer's disease, 1993:27-28, 167-168, 170-171

Amdinocillin, antimicrobial spectrum of, 1992:391

AMFIT system, for orthotics fabrication, 1993:393-401

Amikacin, antimicrobial spectrum of, 1992:445–446 dosage of, 1992:449–451

in mycobacterial infections, 1993:255-256

Aminoglycosides, 1992:443–452 antimicrobial spectrum of, 1992:445–446 clinical uses of, 1992:448–449 dosage of, 1992:449–451 history of, 1992:443–444 mechanism of action of, 1992:444

pharmacokinetics of, 1992:446-447 resistance to, 1992:444-445

serum concentration monitoring of, 1992:451-452

toxicity of, 1992:447-448

Aminopenicillins, antimicrobial spectrum of, 1992:389–392

Amitriptyline, in diabetic neuropathy, 1992:266, 268–269

Ammon optical office scanner, for orthotics fabrication, 1993:366

Amnion, in wound healing, 1992:191 Amoxapine, in diabetic neuropathy, 1992:269

Amphotericin B, in cryptococcosis, 1992:866 in histoplasmosis, 1992:866 in paracoccidioidomycosis, 1992:866 in sporotrichosis, 1992:866

Amputation, in peripheral vascular disease, 1992:86, 1993:243 in tumor, 1993:721, 725

phantom pain in. See Phantom pain.

physical medicine modalities for, 1993:278

within foot, shoe therapy for, 1994:264 Amyotrophic lateral sclerosis, 1993:168–172 Amyotrophic neuropathy, diabetic, 1992:258

Analgesics, postoperative, 1992:365–383 adverse effects of, 1992:381 codeine, 1992:374–375, 378

for geriatric patients, 1992:368-369, 378-380 for inpatients, 1992:366-367 for outpatients, 1992:366 for pediatric patients, 1992:377-378 hydrocodone, 1992:376-377 hydromorphone, 1992:377 in kidney impairment, 1992:380 in liver impairment, 1992:380 meperidine, 1992:374, 378 morphine, 1992:373-374 opiates, 1992:370-377 oxycodone, 1992:376 pain and, 1992:365-366, 369 patient-controlled, 1992:381 pentazocine, 1992:377 propoxyphene, 1992:375-376 survey on, results of, 1992:366-369 vs. surgery type, 1992:367-368

Anaphylaxis, in HIV drug treatment, 1992:863

Anatomy, software illustrating. See ADAM software.

Anchoring devices, for arthroscopic ligament repair, 1994:417-418, 421 Anemia, in AZT therapy, 1992:859 in HIV infection, 1992:832-833

Anergy, in elderly persons, 1993:253

Anesthesia, epidural, for pediatric patients, 1994:34–37

local, 1992:349-356 chemistry of, 1992:351-352

fluid factors in, 1992:351 for pediatric patients, 1994:34, 37 history of, 1992:349–350 in metatarsalgia, 1994:131–132

in postoperative pain, 1994:58, 60 in reflex sympathetic dystrophy,

1994:80-81 in spasticity, in stroke, 1994:637-638 mechanism of action of, 1992:352-354 pH factors in, 1992:350-351 vasoconstrictive agents with, 1992:354-356

patient-controlled, 1992:381 premedication and, 1994:57-58 regional, in acute pain, 1994:154 Aneurysm, in elderly persons, 1993:213-

214

Aneurysmal bone cyst, computed tomography of, 1993:674-677 differential diagnosis of, 1993:649 epidemiology of, 1993:590-591 Angiofibroma, histopathology of, 1992:573-

Angiogenesis, 1992:185-202 cell-to-cell interactions in, 1992:188 extracellular matrix role in, 1992:188-189 factors affecting, 1992:188-190 growth factors in, 1992:189-190 hypoxia in, 1992:189 in bone healing, 1992:194-195 in skeletal muscle transplantation, 1992:195-197 in wound healing, 1992:190-192

mature vessel formation in, 1992:186-187 mechanical factors in, 1992:188 mechanisms of, 1992:185-187 neoplastic growth and, 1992:192-193 osteoarthritis and, 1992:193-194

sprout formation in, 1992:186 study methods for, 1992:187-188 Angiogenin, 1992:190, 192-193

Angiography, in peripheral vascular disease, complications of, 1992:58, 63-

contrast media in, 1992:58 digital subtraction, 1992:62-63 history of, 1992:57-58 indications for, 1992:58-59 interventional procedures in, 1992:85-

of lymphatic system, 1992:164 patient preparation for, 1992:59

preoperative, 1992:85 techniques for, 1992:59-63

in tumor evaluation, 1993:619, 661 Angiolipoma, epidemiology of, 1993:595-

Angiomatosis, bacillary, in HIV infection,

Angioplasty, in peripheral vascular disease, 1992:87

Angiosarcoma, epidemiology of, bone, 1993:589

soft-tissue, 1993:598 Angle-of-gait problems, gait plates for,

1994:211-217 Anhidrosis, in elderly persons, with diabetes mellitus, 1993:243

Anhydrosis, in autonomic neuropathy,

Animal bites, tetracyclines in, 1992:437 Animated dissection of anatomy for medicine software. See ADAM

software. Ankle, edema of, evaluation of, 1993:192 equinus deformity of, 1992:781-812

orthosis compensation for, 1994:193-

lateral instability of, arthroscopy for, 1994:519

Ankle arthroscopy, abuse of, 1994:537

pseudoequinus deformity of, 1992:796-

advantages of, 1994:513-514 anatomic considerations in, 1994:454-456 anchoring devices for, 1994:417-418, 421 complications of, 1994:392-393, 465, 523-

direct surface injury, 1994:525-526 extraarticular injury, 1994:532-533 from distraction, 1994:505-506, 535-

536 hemarthrosis, 1994:531-532 infection, 1994:529-531 instrument failure, 1994:534-535 joint effusion, 1994:533-534 nerve injury, 1994:526-528 reflex sympathetic dystrophy,

1994:528-529 soft tissue extravasation, 1994:533-534 synovial fistula, 1994:533

thermal injury, 1994:533 thromboembolic disease, 1994:534

diagnostic, in anterior ankle impingement syndrome, 1994:454 indications for, 1994:515-516

distraction systems for, 1994:499-511 complications of, 1994:535-536 office-based, 1994:516

for adhesive lesions, 1994:385-394, 490-491, 519

for anterior impingement arthropathy, 1994:425-447, 449-467

for arthroplasty, 1994:449-467 for chondromalacia, 1994:491-494 for fibrous bands, 1994:494-496 for fusion, 1994:395-406

for lateral impingement, 1994:519-520 for lateral stabilization, 1994:415-421, 519 for meniscoid lesions, 1994:371-383 for osteochondritis dissecans, 1994:494

for synovial impingement, 1994:519 for synovitis, 1994:489-490

for transarticular fibrous bands, 1994:371-383

instruments for. See under Instruments. lasers in, 1994:483-498

of subtalar joint, 1994:395-406 of talocrural joint, 1994:385-394 office-based, 1994:513-522

advantages of, 1994:513-514 diagnostic, indications for, 1994:515-

for adhesive lesions, 1994:519 for lateral impingement, 1994:519-520 for lateral instability, 1994:519
for synovial impingement, 1994:519
patient evaluation for, 1994:514–515
technique for, 1994:516–518
patient evaluation for, 1994:514–515
portals for, 1994:456–457
technique for, office-based, 1994:516–518
vs. open arthroplasty, 1994:464–465
Ankle axis, 1994:298

Ankle blood pressure, in peripheral vascular disease, 1992:7, 39

Ankle joint, fusion of. See Fusion.

Ankle-arm pressure, in peripheral vascular

disease, 1993:198, 347

Ankle/brachial pressure index, in

peripheral vascular disease, 1992:39 Ankle-foot orthosis, for spasticity, in stroke, 1994:638

Anonychia, 1993:59

Anterior ankle impingement syndrome, 1994:425–447

anatomy of, 1994:425-430

arthroscopic arthroplasty in, 1994:441-445, 449-467

anatomic considerations in, 1994:454–456

complications of, 1994:465 contraindications to, 1994:452 differential diagnosis before, 1994:453–

454
examination before, 1994:452–453
historical perspectives of, 1994:451
indications for, 1994:451–452
instruments for, 1994:457–460
portals for, 1994:456–457
procedure for, 1994:460–464
rehabilitation after, 1994:446

vs. open arthroplasty, 1994:464-465 arthrotomy in, 1994:437-441 rehabilitation after, 1994:445-446 biomechanics of, 1994:425-430

classification of, 1994:432–433 conservative treatment of, 1994:436–437 development of, 1994:430–434

in athletic overuse performance, 1994:434–435

posttraumatic, 1994:435 Antiangiogenesis, 1992:192–193 Antianxiolytics. See *Benzodiazepines*. Antiarrhythmics, in diabetic neuropathy,

1992:268, 270

Antiarthritic drugs, 1992:327–348. See also Corticosteroids; Nonsteroidal antiinflammatory drugs. antimalarials, 1992:336–337 azathioprine, 1992:335–336 cyclophosphamide, 1992:338–339 gold salts, 1992:331–332, 334

methotrexate, 1992:334-335

normal immune response and, 1992:327-328

penicillamine, 1992:337-338 sulfasalazine, 1992:337

Antibiotics. See also specific antibiotic. in arthroscopy, 1994:530 in ulcer treatment, 1993:341

Antibodies, detection of, in HIV testing, 1992:896–897

in elderly persons, infection resistance and, 1993:253

Anticoagulants, in arterial occlusion, 1993:213

Anticonvulsants, in diabetic neuropathy, 1992:268, 270

in pain management, for elderly persons, 1994:50

for pediatric patients, 1994:34 Antidepressants, in diabetic neuropathy, 1992:266, 268–269

in pain management, 1994:143 for elderly persons, 1994:49–50 for pediatric patients, 1994:34

Antidiarrheal agents, in diabetic neuropathy, 1992:271 in HIV infection, 1992:878

Antidiuretic hormone, inappropriate secretion of, in hypoglycemic drug therapy, 1992:254

Antifungal, 1992:275–283 allylamine, 1992:275–276 griseofulvin, 1992:276–278 imidazoles, 1992:278–282 in HIV infection, 1992:864–867 interactions of, 1992:229 triazoles, 1992:276–277

Antigen detection methods, in HIV testing, 1992:897–898

Antihypertensive drugs, interactions of, 1992:232–233, 315–316 new, pharmacology of, 1992:485–491

Anti-inflammatory drugs. See Corticosteroids; Nonsteroidal antiinflammatory drugs.

Antimalarials, in rheumatic disease, 1992:336–337

Antineoplastic drugs, pharmacology of, 1992:493-495

Antithrombin III, deep venous thrombosis and, 1992:93–94

Antiviral agents, in HIV infection, 1992:858–860

pharmacology of, 1992:483–485 Anxiety, chronic pain and, 1994:138, 157

phantom pain and, 1994:96–97 Aorta, arteriosclerosis obliterans of, 1993:211–212

Aortobifemoral bypass, in peripheral vascular disease, 1992:87

Aquatic therapy, in HIV infection, 1992:890 in sensory dysesthesia, 1992:891 Arch, plantar, neurilemoma of, 1994:625–

631 Anch fillers for outhoris 1994:206 200

Arch fillers, for orthosis, 1994:206–209 Argon fluoride laser surgery, in skin lesions, 1992:611, 688

osteotomy, 1992:729 Argon laser, 1992:512, 540

absorption coefficient of, 1992:532–533 applications for, 1992:551

tissue interactions with, 1992:532 Argon laser surgery, in skin cancer,

1992:603, 606 in skin lesions, 1992:689–690, 692

in tattoo removal, 1992:557 in telangiectasia, 1992:555

in verruca removal, 1992:551-553

Arterial blood flow evaluation. See
Peripheral vascular disease, testing in.

Arterial occlusive disease, 1992:69-77 acute, 1992:69-72 chronic, 1992:72-75

clinical presentation of, 1992:80-84 diagnosis of, 1992:70-74

etiology of, 1992:69-70, 72 management of, 1992:71, 74-75

pain in, 1992:4 presentation of, 1992:70-74

skin appearance in, 1992:118 within foot, 1992:25

Arteriography, in tumor evaluation, 1993:619 Arterioles, spasticity of, in acrocyanosis,

1992:146–148 in livedo reticularis, 1992:148–150

Arteriosclerosis. See Atherosclerosis. Arteriosclerosis obliterans, 1993:211–212,

346–347 plethysmography in, 1993:201–202

Arteriovenous malformation, gait disorders in, 1993:172–176

Artery(ies), embolism of, 1993:212–213 occlusion of. See Peripheral vascular disease.

testing of, in peripheral vascular disease, 1992:13–14

thrombosis of, 1993:213

Arthralgia, in elderly persons, with diabetes mellitus, 1993:239

Arthritis. See also Osteoarthritis; Rheumatoid arthritis.

in elderly persons, physical medicine modalities for, 1993:277 radiology of, 1993:107–109 septic, 1993:256–258 in HIV infection, 1992:870

of metatarsophalangeal joint, 1994:126– 128, 130 septic, after arthroscopy, 1994:530-531 after laser surgery, 1992:771 shoe therapy for, 1994:262-263

Arthrodesis, for stroke-related deformities, 1994:638, 641-643

Arthrography, of ankle joint, 1994:453 Arthropathy, drugs for. See also

Antiarthritic drugs. nonsteroidal anti-inflammatory, 1992:306–307

Arthroplasty, implant, in diabetes mellitus, 1993:240

of ankle joint. See under Anterior ankle impingement syndrome.

of first metatarsophalangeal joint, computer analysis of, 1993:554

preoperative vascular testing in, 1992:53 Arthroscopy, ankle. See Ankle arthroscopy.

lasers in, 1992:731-732 Arthrotomy, in anterior ankle impingement syndrome, 1994:437-441

rehabilitation after, 1994:445–446 Artificial intelligence, in gait analysis, with Electrodynogram System, 1993:437–

Aspergillosis, in elderly persons, 1993:265 Aspiration biopsy, in tumor evaluation, 1993:613–614

Aspirin, for elderly persons, 1994:46–47 in acute pain, 1994:153–154 in diabetic neuropathy, 1992:265–266 in peripheral vascular disease, with dia-

betes, 1992:132 in postoperative pain, 1994:60 interactions of, 1992:232 intolerance to, 1992:313–314 overdose of, 1992:317–319

platelet aggregation by, 1992:312 Ataxia, cerebellar, 1993:163

hereditary, 1993:167–168 Atherosclerosis, calcified, of tibial vessels, 1993:198

Doppler studies of, 1993:198–200 in diabetes mellitus, 1992:13

in hypertension, 1992:12 in peripheral vascular disease, 1992:22, 24, 79, 174–177, 1993:209–210 acute arterial occlusion, 1992:69–70

blood flow characteristics and, 1992:20–22

chronic arterial occlusion, 1992:72 diabetes mellitus and, 1992:126–127, 167–168

risk factors for, 1992:28-29, 111 smoking and, 1992:166

peripheral vascular disease in, 1993:210– 211

Athlete's ankle. See Anterior ankle impingement syndrome.

Athlete's foot, in elderly persons, 1993:85 Candida in, 1993:264 Corynebacterium in, 1993:261 Atopic dermatitis, in HIV infection, 1992:868

Atrophie blanche, 1992:148–150 Attention, in elderly persons, 1993:16 Attenuation coefficient, of lasers, 1992:532 Auranofin, in rheumatic disease, 1992:331–

Aurothioglucose, in rheumatic disease, 1992:331–332, 334

332, 334

Aurothiomalate, in rheumatic disease, 1992:331–332, 334

Autoclave, in HIV transmission prevention, 1992:909

Autoimmune disease, Raynaud's vasospasticity and, 1992:143

Autonomic fibers, of peripheral nervous system, anatomy of, 1994:548–549 dysfunction of, diagnosis of, 1994:555– 556, 565–566

Autonomic nervous system, dysfunction of, in diabetes mellitus, 1992:259, 271, 1993:245

of elderly persons, diabetes mellitus effects on, 1993:245 pharmacology and, 1993:225

Autonomy, in medical ethics, 1992:965 A-V impulse device, in compartment

syndromes, 1994:600 Avulsion fractures, in elderly persons, 1993:237

Axons, in pain physiology, 1994:6-7 loss of, in polyneuropathy, 1994:553

Azathioprine, in rheumatic disease, 1992:335–336

Azidothymidine. See Zidovudine (azidothymidine).

Azithromycin, pharmacology of, 1992:420

Aztreonam, 1992:457–460
adverse effects of, 1992:459
antimicrobial spectrum of, 1992:457–458
clinical uses of, 1992:459–450
dosage of, 1992:458–459
mechanism of action of, 1992:457
pharmacokinetics of, 1992:458–459
resistance to, 1992:457

B lymphocytes, in elderly persons, infection resistance and, 1993:253

Bacillary angiomatosis, in HIV infection, 1992:869

Baclofen, for spasticity, in stroke, 1994:637 Bacteria, in laser plume, 1992:774 Baker procedure, in ankle equinus deformity, 1992:805

Bandage system, for distraction, in ankle arthroscopy, 1994:501-502

Basal cell carcinoma, 1993:90-91 histopathology of, 1992:567-568

Bassett-Baker procedure, in ankle equinus deformity, 1992:805

Baths, in pain management, water, 1994:119 whirlpool, 1994:118-119

Beam delivery systems, for lasers, 1992:527–528

Beat pulse (interferential current) therapy, 1994:170-171

Beau's lines, 1993:65-67

Behavioral strategies, in pain management, 1994:141-142

Benazepril, pharmacology of, 1992:491 Beneficence, in medical ethics, 1992:965 Benign fibrous histiocytoma, soft-tissue,

epidemiology of, 1993:595
Benzodiazepines, 1992:465–479
adverse reactions to, 1992:471–472
antagonists to, 1992:465–466
contraindications for, 1992:470
history of, 1992:465
in diabetic neuropathy, 1992:268
in geriatric patients, 1992:474
in pediatric patients, 1992:474
in pregnancy, 1992:470–471
indications for, 1992:475
interactions of, 1992:475

mechanism of action of, 1992:466–467 midazolam, 1992:474–475 overdose of, 1992:472

parenteral, 1992:468, 470 patient counseling on, 1992:473

pharmacokinetics of, 1992:467–468 Bepredil, pharmacology of, 1992:488–489

Bergmann Foot Scanner, for orthotics fabrication, 1993:363–375 as podiatry promotion resource,

1993:371 design process, 1993:372–373 digitization techniques in, 1993:364–

image evaluation and, 1993:368–372 image transmission to laboratory from, 1993:371–372

1993:371–372 manufacturing process, 1993:373–374 optical scanner for, 1993:366–368 views produced by, 1993:369–371

Betamethasone, injectable formulations of, 1992:361–362

Bi-channel adjustable ankle-locking orthosis, for spasticity, in stroke, 1994:638 Billing, ethical considerations in, 1992:971– 973

Bioassays, for angiogenesis, 1992:187 Bioavailability, of drugs, 1992:212–215 Biofeedback, in pain management, in elderly persons, 1994:51–52

phantom, 1994:99-100

in Raynaud's vasospasticity, 1992:145
Biomechanics, center of pressure index in,
for orthogis evaluation, 1994:353–361

of rearfoot, 1994:297-300 of shoes, 1994:241-258

of subtalar joint, 1994:184-186

functional axis determination, 1994:301-310

of Whitman/Roberts brace, 1994:237–238 radiographic examination in, 1994:286–289

Biopsy, in Kaposi's sarcoma, 1992:850, 852 in tumor evaluation, 1993:613–614, 719 Biphasic Trendelenburg test, in peripheral

vascular disease, 1992:14–15

Birth defects, shoe therapy for, 1994:262 Bites, animal, tetracyclines in, 1992:437 Blake orthosis. See also *Orthosis/orthotics*,

functional, inverted. for angle-of-gait problems, 1994:214, 216 Bleeding, gastrointestinal, in HIV infection,

1992:828–829 into joint, after arthroscopy, 1994:531–

532 Bleomycin, iri Kaposi's sarcoma, 1992:870 in verruca removal, 1992:552–553

Blistering technique, in verruca removal, 1992:552

Blood disorders, in AZT therapy, 1992:859-860

in HIV infection, 1992:832-834 in NSAID therapy, 1992:312

Blood flow, aging effects on, 1993:209 in peripheral vascular disease, characteristics of, 1992:20–22

evaluation of. See Peripheral vascular disease, testing in.

exercise effects on, 1992:180 in exercise, 1992:177-179

in exercise, 1992:177–179 in phantom pain, 1994:86–88

rheology of, in diabetes mellitus, 1992:128–129

in peripheral vascular disease, 1992:177-179

"Blood poisoning" (infectious lymphedema), 1992:159–160

Blood pressure, in peripheral vascular disease, changes in, 1992:20-21 measurement of, 1992:7, 46-47 of limb, 1993:197-198, 347

Blood sugar control, peripheral vascular disease and, 1992:129, 132

Blood vessels, calcification of, in elderly persons, 1993:106–107

Bobath approach (neurodevelopmental therapy), in HIV infection, 1992:889

Body alignment, in elderly persons, in arthritis, 1993:277

Bone, destruction of, in Charcot joint disease. See Charcot foot.

healing of, angiogenesis in, 1992:194-195 infection of, quinolones in, 1992:404

laser surgery on, 1992:550, **721–737** burns from, 1992:653

composition and, 1992:721-723 healing and, 1992:723-724, 728

infection after, 1992:770–771 osteotomy, 1992:550, 728–729, 770–771 tissue effects of, 1992:721–723

tumor treatment, 1992:721–723

loss of, in elderly persons, 1993:102–105 Bone cyst, aneurysmal, computed

tomography of, 1993:674–677 differential diagnosis of, 1993:649 epidemiology of, 1993:590–591

differential diagnosis of, 1993:649, 651, 705

epidemiology of, 1993:590-591

epidermal inclusion, differential diagnosis of, 1993:651

Bone model generation, in implant design, 1993:558–560

Bone scan, in bone tumors, 1993:659, 661–665

clinical applications of, 1993:663–665 technical considerations in, 1993:661, 663

in reflex sympathetic dystrophy, 1994:79 of ankle joint, 1994:454

Bone tumors, adipose, epidemiology of, 1993:588

Albright's syndrome, differential diagnosis of, 1993:706

angiosarcoma, epidemiology of, 1993:589 benign, differential diagnosis of, 1993:683, 686

calcification of, 1993:641

cartilaginous, epidemiology of, 1993:586– 587

chondroblastoma, differential diagnosis of, 1993:649, 696–697

epidemiology of, 1993:586–587 chondroma, differential diagnosis of, 1993:649

chondromyxoid fibroma, computed tomography of, 1993:671

differential diagnosis of, 1993:695-696 epidemiology of, 1993:587

chondrosarcoma. See Chondrosarcoma. classification of, 1993:720

Codman's triangle in, 1993:643

common in foot, 1993:647 cortical erosions in. 1993:642 cystic, computed tomography of, 1993:674-677 differential diagnosis of, 1993:648-649. 651, 705 epidemiology of, 1993:590-591 destruction patterns in, 1993:637-640 diaphyseal, differential diagnosis of, 1993:646 differential diagnosis of, 1993:683-715 age considerations in, 1993:634 Albright's syndrome, 1993:706 benien, 1993:683, 686 chondroblastoma, 1993:649, 696-697 chondroma, 1993:649 chondromyxoid fibroma, 1993:695-696 chondrosarcoma, 1993:649, 651, 691, cystic, 1993:648-649 diaphyseal, 1993:646 enchondroma, 1993:651, 698 epiphyseal, 1993:645 Ewing's sarcoma, 1993:649, 710 fibrous dysplasia, 1993:706 giant cell, 1993:649, 707, 709 hereditary multiple exostoses, 1993:701 lipoma, 1993:648 Maffucci's syndrome, 1993:699 malignant, 1993:683-686 metaphyseal, 1993:645-646 metastatic, 1993:713 monostotic, 1993:683 nonossifying fibroma, 1993:706-707 Ollier's disease, 1993:698-699

Ollier's disease, 1993:698–699 osteoblastoma, 1993:691 osteochondroma, 1993:651, 700 osteoid osteoma, 1993:649, 651, 689– 691 osteosarcoma, 1993:686–689

polyostotic, 1993:683 radiography in, 1993:633–653 unicameral bone cyst, 1993:705 enchondroma, differential diagnosis of, 1993:651, 698

epidemiology of, 1993:586 epidemiology of, 1993:581–591, 633, 647 adipose, 1993:588

cystic, 1993:590–591 distribution patterns in, 1993:581–583 Ewing's sarcoma, 1993:589–590

cartilaginous, 1993:586-587

fibrohistiocytic, 1993:587–588 giant cell, 1993:589 metastatic, 1993:590

osseous, 1993:584–586 tumor types in, 1993:583 vascular, 1993:588–589 epiphyseal, differential diagnosis of, 1993:645

evaluation of, 1993:609–616, 717–718. See also Bone tumors, imaging of. biopsy in, 1993:613–614, 719 computed tomography in, 1993:613, 665, 667–673

laboratory tests in, 1993:613, 718–719 magnetic resonance imaging in,

1993:613, 673, 675-681 patient history in, 1993:610-611 physical examination in, 1993:611-612 radiography in, 1993:612-613

Ewing's sarcoma, differential diagnosis of, 1993:649, 710 epidemiology of, 1993:589-590

radiography of, 1993:589–590 radiography of, 1993:643 treatment of, 1993:724 failure to diagnosis, 1993:609–610

failure to diagnosis, 1993:609–610 fibrohisticcytic, epidemiology of, 1993:587–588

fibrosarcoma, epidemiology of, 1993:588 fibrous dysplasia, differential diagnosis of, 1993:706 epidemiology of, 1993:584

geographic destruction pattern in, 1993:638

giant cell, computed tomography of, 1993:670 differential diagnosis of, 1993:649, 707,

709 epidemiology of, 1993:589

imaging of, 1993:659 growth rate of, 1993:641

hemangioma, epidemiology of, 1993:588–589

hereditary multiple exostoses, differential diagnosis of, 1993:701 histiocytoma, epidemiology of, 1993:587—

imaging of, 1993:655-682

computed tomography in, 1993:613, 665, 667–673, 680–681

magnetic resonance, 1993:673, 675–681 radiography in, 1993:612–613, **633–653** scintigraphy in, 1993:659, 661–665 tomography in, 1993:657–659 ultrasonography in, 1993:612

lipoma, differential diagnosis of, 1993:648 epidemiology of, 1993:588 imaging of, 1993:657

liposarcoma, epidemiology of, 1993:588 location of, in differential diagnosis, 1993:643, 645–647

lytic, 1993:637-640 Maffucci's syndrome, differential diagnosis of, 1993:699

malignant, differential diagnosis of, 1993:683-686 Bone tumors (Continued) margins for, 1993:637 matrix of, 1993:641 metaphyseal, differential diagnosis of, 1993:645-646 metastatic, 1993:611, 719 computed tomography of, 1993:672differential diagnosis of, 1993:713 epidemiology of, 1993:590 scintigraphic appearance of, 1993:663monostotic, differential diagnosis of, 1993:683 moth-eaten appearance of, 1993:639 multiple myeloma, scintigraphic appearance of, 1993:664 nonossifying fibroma, differential diagnosis of, 1993:706-707 of tarsal bones, 1993:646-647 Ollier's disease, differential diagnosis of, 1993:698-699 osteoblastoma, differential diagnosis of, 1993:691 epidemiology of, 1993:586 osteochondroma, differential diagnosis of, 1993:651, 700 epidemiology of, 1993:591 osteoid osteoma, differential diagnosis of, 1993:649, 651, 689-691 epidemiology of, 1993:585 imaging of, 1993:657 scintigraphy of, 1993:662, 665-666 treatment of, 1993:724 osteosarcoma, differential diagnosis of, 1993:686-689 epidemiology of, 1993:586 radiography of, 1993:643 treatment of, 1993:724 periosteal reactions in, 1993:642-643 permeative destruction pattern in, 1993:639 pigmented villonodular synovitis, case study of, 1993:729-734 treatment of, 1993:722-723 plasmacytoma, imaging of, 1993:659 polyostotic, differential diagnosis of, 1993:683 postoperative care in, 1993:724-725 radiography of, 1993:612-613, 633-653, recurrence of, 1993:724-725 resection of, 1993:723-724 septation in, 1993:641 shape of, in differential diagnosis,

1993:641

staging of, 1993:718-719

size of, in differential diagnosis, 1993:641 soft-tissue extension of, 1993:678

surgical margins for, 1993:719-724 trabeculation in, 1993:641 treatment of, 1993:717-725 adjuvant therapy in, 1993:723-724 chemotherapy in, 1993:724 pigmented villonodular synovitis, 1993:722-723, 733-734 surgical margins for, 1993:719-724 ultrasonography in, 1993:612 uncommon in foot, 1993:647 unicameral bone cyst, differential diagnosis of, 1993:705 vascular, epidemiology of, 1993:588-589 Boot, paste/Unna, in ulceration, 1992:104, 1993:338 Bouchard's nodes, in osteoarthritis, 1994:127-128 Bowen's disease, 1993:88 laser surgery in, 1992:606 Brace. See Orthosis/orthotics. Brain, age-related changes in, 1993:15-17 Brain stem, nociceptive transmission in, 1994:10-11 Brodie test, modified, in peripheral vascular disease, 1992:14-15 Broström procedure, for lateral ankle stabilization, 1994:411, 415 Brunnstrom treatment, in HIV infection, 1992:890 Bruno-Helfand technique, 1993:280-282 Buerger's disease, arterial occlusion in, 1992:72 smoking and, 1992:7, 168 vasospasticity in, 1992:143-144 Bullous pemphigoid, in elderly persons, 1993:87-88 Bunionectomy, in cerebral palsy, 1994:648 preoperative vascular testing in, 1992:54 Bupivacaine, as local anesthetic, 1992:354 for pediatric patients, 1994:35, 37 in postoperative pain, 1994:58, 60 in sympathetic block, in reflex sympathetic dystrophy, 1994:80 Buprenorphine, for elderly persons, 1994:49 Bupropion, in diabetic neuropathy, 1992:269 Burning pain, in phantom limb, 1994:86-88, 102-103 Burns, in arthroscopy, 1994:533 in laser surgery, 1992:549, 653, 765 Bursitis, in elderly persons, with diabetes

Calcaneal contact articulation, in orthosis evaluation, 1994:285–286

Butorphanol, for elderly persons, 1994:49

mellitus, 1993:240

Calcaneal nerve, entrapment of, heel pain in, 1994:617-624 in elderly persons, 1993:115-116

Calcaneal stress test, in tarsal tunnel

syndrome evaluation, 1994:610 Calcaneofibular ligament, reconstruction of, 1994:410–411

repair of, 1994:411, 415, 417-420

Calcaneus, cyst of, differential diagnosis of, 1993:648

eversion of, shoe biomechanics and, 1994:243–245

exostosis of, heel pain in, plantar, 1993:114–115 posterior, 1993:116

lipoma of, imaging of, 1993:657

Calcaneus to vertical angle, in gait analysis, 1993:506–507

Calcific sclerosis, Mönckeberg's, 1993:212 Calcification, of bone tumors, 1993:641 of soft-tissue, in elderly persons,

1993:106-107

in tumors, 1993:621 Calcified arteriosclerosis, of tibial vessels, 1993:198

1993:198
Calcifying aponeurotic fibroma,

epidemiology of, 1993:593–594 Calcinosis, senile, 1993:212

Calcium alginate dressings, for ulcer, 1993:341

Calcium channel blockers, in Raynaud's vasospasticity, 1992:145

Calcium pyrophosphate dihydrate deposition disease, in elderly persons, 1993:154

Callosities, in elderly persons, 1993:75–76 Cancer. See *Malignancy*.

Cancer. See Mangnancy.
Candidiasis, in elderly persons, 1993:84–85,

in HIV infection, 1992:831, 864–866 Capillary(ies), in angiogenesis. See

Angiogenesis.

Capillary bed return test, in peripheral

vascular disease, 1992:13

Capillary hemangioma, epidemiology of,

1993:597 Capsaicin, in diabetic neuropathy, 1992:270

Capsular adhesions, arthroscopy for, 1994:519

Carbamazepine, in diabetic neuropathy, 1992:268, 270

Carbohydrate metabolism, corticosteroid effects on, 1992:357

Carbon arcing, in laser use, 1992:660 Carbon dioxide laser, 1992:540

absorption coefficient of, 1992:532–533 advantages of, 1992:546–548 applications for, 1992:551 beam delivery systems for, 1992:527–528 moving, vaporization by, 1992:534–536 physics of, 1992:523–525 nail pathology and, 1992:633–635 stationary, vaporization by, 1992:536–537 tissue interaction with, 1992:525–526

mass vaporized by, 1992:534-535

clinical correlation of, 1992:532 vaporization depth and, 1992:534, 536–

Carbon dioxide laser surgery, arthroscopy, 1992:731–732

cutting mode, 1992:602-603 defocused mode, 1992:603

focused mode, 1992:602-603 in benign lesions, 1992:617-632

in bone tumors, 1992:729, 731

in fibroma, 1992:620-622

in ganglionic cyst, 1992:622 in granuloma, 1992:624-625

in hypertrophic scar, 1992:626–627 in hypertrophic synovitis, 1992:749–761

in interdigital clavus, 1992:623-624

in keloid, 1992:626-627 in lipoma, 1992:625-626

in Morton's neuroma, 1992:671-686

in mucoid cyst, 1992:617–619 in nail pathology, 1992:553–554, 646–647 basic considerations in, 1992:633–636 preoperative considerations in,

1992:633–641 in nail plate reduction, 1992:647–648 in neuroma, 1992:554–555

in onychomycosis, 1992:646-647 in plantar fibromatosis, 1992:619-620

in plantar keratoma, 1992:699-707 in porokeratoma plantaris discreta, 1992:627-629

in punctata aereata, 1992:622-623 in skin cancer, 1992:600-603

in skin lesions, 1992:555

in subungual hematoma, 1992:648 in tattoo removal, 1992:557

in tumors, 1992:555-556

in ulcers, 1992:556, 709-719

in verrucae, 1992:551-553, 659-669 matrixectomy, 1992:641-646

on bone, 1992:729, 731, 770-771 healing and, 1992:723-724, 728

on cartilage, 1992:731, 739–747, 771 on joints, 1992:736

in hypertrophic synovitis, 1992:749-

osteotomy, 1992:728-729

vaporization mode, 1992:603 Carboxypenicillins, antimicrobial spectrum of, 1992:389–393

Carcinogens, exposure to, tumors related to, 1993:610-611 Carcinoma, histopathology of, basal cell, 1992:567–568

squamous cell, 1992:565-566 metastasis from. See Metastasis.

skin, in elderly persons, 1993:87–88 Carcinomatous arthritis, 1993:155, 157

Cardiopulmonary resuscitation, HIV transmission in, 1992:926

Cardiovascular system, age-related changes in, 1993:7–8

pharmacology and, 1993:223 corticosteroid effects on, 1992:358

Carter exercise test, in peripheral vascular disease, 1992:28, 41-42

Cartilage, injury of, in arthroscopy, 1994:525-526

laser surgery on, 1992:731, 771 regeneration in, 1992:739-747

Cartilage-derived angiogenic inhibitor, 1992:194

Cartilaginous tumors, epidemiology of, 1993:586–587

Cast, accuracy of, verification of, 1993:365-

for Charcot foot, 1994:274

for spasticity, in stroke, 1994:638 negative, for forefoot deformity, 1994:293

for Whitman brace, 1994:235 positive, fillers for, 1994:205–209 for forefoot deformity, 1994:191–193 for Whitman brace, 1994:235 modifications of, 1994:205–209

plantar fascial accommodation in,

1994:206 total contact, for pressure ulceration, 1994:339–340, 348

weight-bearing, computer scanning for, 1993:368

Cat scratch disease, in HIV infection, 1992:843

Cavernous hemangioma, epidemiology of, 1993:597

histopathology of, 1992:590

CD4 antigen, depletion of, in HIV infection, 1992:821–822, 838

Cellular changes, in elderly persons, pharmacologic considerations and, 1993:222–223

Cellulitis, in elderly persons, clostridial, 1993:262

streptococcal, 1993:258 lymphedema in, 1992:161

Center of pressure index, in orthosis evaluation, 1994:353-361

Centers for Disease Control, HIV infection guidelines of, 1992:954–955, 987–989

Central nervous system, age-related changes in, 1993:15–17, 166–167 pharmacology and, 1993:225 HIV infection manifestations in, 1992:887-892

NSAID effects on, 1992:314 Cephalosporins, 1992:396–401

adverse reactions to, 1992:400–401 antimicrobial spectrum of, 1992:398–399 mechanism of action of, 1992:397 pharmacokinetics of, 1992:399–400 resistance to, 1992:397–398

Cerebellar ataxia, 1993:163-164 hereditary, 1993:167-168

Cerebral palsy, hallux abducto valgus deformity in, surgical correction of, 1994:647-654

Cerebrovascular accident. See *Stroke*. Cerebrovascular disease, gait disorders in, 1993:172–176

with peripheral vascular disease, 1992:6

Char, in laser surgery, 1992:660 Charcot foot, 1994:271–278

atrophic, 1994:273 clinical manifestations of, 1994:272-273

etiology of, 1994:271-272 historical background of, 1994:271-272

hypertrophic, 1994:273 in diabetes mellitus, 1992:711–712 midfoot involvement in, 1994:275–276

radiographic features of, 1994:273 rearfoot involvement in, 1994:276–277 shoe therapy for, 1994:262, 267 stages of, 1994:273

treatment of, 1994:273-278

Cheiroarthropathy, in elderly persons, with diabetes mellitus, 1993:239

Chemonociceptors, 1994:2, 4-5

Chemotherapy, in bone tumors, 1993:684, 724

in Kaposi's sarcoma, 1992:852–853, 870 Chloroprocaine, as local anesthetic, 1992:354

Chloroquine, in rheumatic disease, 1992:336–337

Chlorpromazine, in diabetic neuropathy, 1992:271

lupus erythematosus induced by, 1993:153–154 Chlorpropamide, pharmacology of,

1992:251-254 Cholesterol control, in peripheral vascular

disease, 1992:129, 131–132
Choline magnesium trisalicylate, in

diabetic neuropathy, 1992:267 Chondroblastoma, differential diagnosis of,

1993:649, 696–697 epidemiology of, 1993:586–587

Chondrogenesis, laser effects on, 1992:739–

Chondroma, bone, differential diagnosis of, 1993:698 extraskeletal, epidemiology of, 1993:600-

subungual, 1993:63

Chondromalacia, arthroscopy for, lasers in, 1994:491-494

Chondromyxoid fibroma, computed tomography of, 1993:671 differential diagnosis of, 1993:695-696 epidemiology of, 1993:587

Chondrosarcoma, bone, differential diagnosis of, 1993:649, 651, 691, 695 epidemiology of, 1993:587 magnetic resonance imaging of, 1993:679

periosteal, 1993:649

extraskeletal, epidemiology of, 1993:601 Chorea, senile, 1993:168, 170-172

Chrisman-Snook procedure, for lateral ankle stabilization, 1994:411, 414 Chronic Pain Experience Instrument,

1994:140

Cigarette smoking. See Smoking. Cilastatin, with imipenem, 1992:452, 454-

Cimetidine, interactions of, 1992:229-230 Ciprofloxacin, antimicrobial spectrum of, 1992:403

clinical indications for, 1992:404-405 interactions of, 1992:229-231, 405 mechanism of action of, 1992:402 pharmacokinetics of, 1992:403-404 resistance to, 1992:402-403 side effects of, 1992:405, 862

Circulatory system, of elderly persons, pharmacology and, 1993:223

Clarithromycin, pharmacology of, 1992:420-421

Claudication, in peripheral vascular disease, 1993:188-189 intermittent. See Intermittent claudication.

Clavus, interdigital, laser surgery in, 1992:623-624 Clawtoe, in elderly persons, 1993:126-127

Clear cell sarcoma, epidemiology of, 1993:602 Clearance, drug. See under Drug(s).

Clindamycin, 1992:409-413 adverse effects of, 1992:412-413 antimicrobial spectrum of, 1992:410-411 chemistry of, 1992:409-410 clinical uses of, 1992:411-412 dosage of, 1992:413

interactions of, 1992:413

mechanism of action of, 1992:409-410 pharmacokinetics of, 1992:410

Clobazam, 1992:476

Clonazepam, in diabetic neuropathy, 1992:268, 270-271

Clonidine, for pediatric patients, 1994:33-

Clostridial infections, in elderly persons, 1993:261-262

Clotrimazole, pharmacology of, 1992:281-

Coagulation disorders, deep venous thrombosis in, 1992:93-94

Coccidioidomycosis, in HIV infection, 1992:866

Codeine, for elderly persons, 1994:47 for pediatric patients, 1994:26 postoperative, 1992:374-375, 378

Codman's triangle, in bone tumor, 1993:643 Cognitive component, of pain, 1994:137-138

Cognitive function, age-related changes in, 1993:15-17, 27-28

Cognitive strategies, in pain management, 1994:141-142, 155

Colchicine, in gout, 1993:150

Cold spot, in radionuclide scintigraphy, 1993:664-665

Cold sterilization, of instruments, 1992:910-911, 929-930

Cold therapy, for elderly persons, 1993:275 for pain, 1994:107-108 acute, 1994:154

postoperative, 1994:61-62 in pain relief, 1992:885

Collagen remodeling, in healing, 1993:320 Collagenase, in ulcer treatment, 1993:341 Collateralization, in peripheral vascular disease, 1992:21-22

Colony stimulating factors, pharmacology of, 1992:491-493

Color Doppler sonography, in tumor evaluation, 1993:620

Color lymphography, 1992:162 Colville procedure, for lateral ankle stabilization, 1994:411

Compartment syndromes, 1994:593-608 acute, 1994:594, 599 after arthroscopy, 1994:533

anatomic aspects of, 1994:600-602 chronic, 1994:594, 599 classification of, 1994:599 differential diagnosis of, 1994:598

evaluation of, 1994:594-595 exertional, 1994:599

in arterial occlusive disease, 1992:71 neuromalike symptoms in, 1994:604-605 of foot, 1994:603

of leg, 1994:599, 602

pathogenesis of, 1994:593-594

pressure measurement in, 1994:595-598 sequelae of, 1994:598-599

treatment of, conservative, 1994:599-600 surgical, 1994:602-603

Composite materials, for orthosis, 1994:222-223

Compound motor action potentials, assessment of, in peripheral neuropathy, 1994:557, 573–574

Compression, in compartment syndromes, 1994:600

in lymphedema, 1992:155, 157, 163 in musculoskeletal problems, in HIV infection, 1992:886

in postoperative pain, 1994:61-62 in venous stasis, 1992:104, 1993:338-339

Compression neuropathy, in phantom pain, 1994:94

Computed tomography, in tumor evaluation, 1993:613 advantages of, 1993:671, 673 bone, 1993:665, 667-673 clinical applications of, 1993:670-673 soft-tissue, 1993:621, 623-624, 673 technical considerations in, 1993:668,

> vs. magnetic resonance imaging, 1993:680-681

of ankle joint, 1994:454

of interdigital neuroma, 1994:583 Computer-aided design and manufacture,

of custom shoes, 1994:269 Computers, in biomechanics analysis, 1993:417–429

in gait analysis, 1993:471–484 electrodynogram for, 1993:431–443 Motion Analysis System for, 1993:501–

PEAK Rearfoot Clinical Assessment System for, 1993:529-538 Vector System for, 1993:485-500

in orthotics fabrication, 1993:377–392 Bergmann Foot Scanner, 1993:363–375 in-office systems for, 1993:393–401

in pressure measurement, 1993:403–415 EMED system for, 1993:445–454 F-Scan system for, 1993:455–461 optical pedobarography for, 1993:463– 470

in surgical planning, 1993:551–576 OrthoGraphics plan for, 1993:539–549 Confidentiality, as ethical obligation,

1992:968-970 definition of, 1992:965

in HIV infection, 1992:956–957 legal aspects of, 1992:976, 979, 984

Congenital defects, shoe therapy for, 1994:262

Congenital lymphedema, 1992:155–156 Connective tissue disease, heel pain in, 1993:117

Constipation, in elderly persons, 1993:10-11 Continuous passive motion apparatus, in musculoskeletal problems, in HIV infection, 1992:887

Contractures, digital, in elderly persons, 1993:102

in prolonged compartment syndromes, 1994:598–599

Contrast media, complications of, 1992:58 Contusion, of nail plate, 1993:63 Conventional tomography, in tumor

evaluation, 1993:657–659
Copper vapor laser, in skin lesion

treatment, 1992:611, 693-694 Cork materials, for orthosis, 1994:224

Cortical erosions, in bone tumors, 1993:642 Corticosteroids, absorption of, 1992:331,

359–360 anti-inflammatory activity of, 1992:358 for elderly persons, 1994:50

for elderly persons, 1994:50 immunosuppressive action of, 1992:358– 359

in arthritic disease, 1992:329–331 in HIV infection, 1992:864 in metatarsalgia, 1994:131–132 in postoperative pain, 1994:58–60 injectable, 1992:356–362

absorption of, 1992:359–360 combined soluble insoluble, 1992:361–

insoluble, 1992:360–361 pharmacology of, 1992:356–360 soluble, 1992:360

soluble, 1992:360 interactions of, 1992:317

side effects of, 1992:291–293, 330–331 topical, 1992:285–299

anatomic sites and, 1992:289–291 clinical efficacy of, 1992:286–287 dosage of, 1992:291

failure of, 1992:293–294 guidelines for, 1992:295–296 mechanism of action of, 1992:285–286

potency of, 1992:289 selection of, 1992:287–291 side effects of, 1992:291–293

vehicles for, 1992:287–289 wound healing and, 1993:330

Cortisol, pharmacology of, 1992:357 Cortisporin ointment, after verruca removal, 1992:665–666

Corynebacterium infections, in elderly persons, 1993:260–261

Cotton wool spots, in HIV infection, 1992:831-832

Cramping pain, in phantom limb, 1994:89-90, 103

Cramps, in peripheral neuropathy, evaluation of, 1994:555

nocturnal, in peripheral vascular disease, 1993:188–189 Cranial electric stimulation, in pain management, 1994:169–170

Cross femoral venous bypass, in venous reconstruction, 1992:105

Crossed extensor reflex, in pain response, 1994:8

Crosshatch technique, in verruca removal, 1992:552

Cryotherapy, for pain, 1994:107–108 postoperative, 1994:61–62

Cryptococcosis, in HIV infection, cutaneous, 1992:841 treatment of, 1992:866

Cryptosporidiosis, in HIV infection, 1992:827

Crystal deposition disease, in elderly persons, 1993:154

Cuboid filler, for orthosis, 1994:208–209

Culture, of HIV, 1992:898

Curled toes, in stroke, release of, 1994:639 Custom implant, computer-aided design of, 1993:553–561

Custom shoe therapy. See Shoes, therapy with.

Cutaneous lesions. See Skin disorders. Cutis marmorata, 1992:148

Cyanosis, in peripheral vascular disease, 1992:118, 146–148

Cyclophosphamide, in rheumatic disease, 1992:338–339

Cyst, bone, calcaneal, 1993:648 computed tomography of, 1993:674–

677 differential diagnosis of, 1993:648–649,

651, 705 epidemiology of, 1993:590–591 epidermal inclusion, 1993:651

ganglion, computed tomography of, 1993:623

epidemiology of, 1993:601–602 laser surgery in, 1992:622

mucoid (synovial), histopathology of, 1992:592

laser surgery in, 1992:617–619 Cytomegalovirus infection, in HIV infection, 1992:827–828, 832, 843–844

Death, in HIV infection, 1992:993–996
Debridement, of lesions, in peripheral vascular disease, 1993:242–243
Decubitus ulcer. See Ulceration, pressure.
Deep venous thrombosis. See also Thromboembolic disease.
clinical presentation of, 1992:94–95
diagnosis of, 1992:95–97

importance of, 1992:92–93 phlebography in, 1992:65–67 prevention of, 1992:100–101 pulmonary embolism in, 1992:99–100 reconstructive procedures in, 1992:105 recurrent, 1992:99

risk factors for, 1992:93-94 treatment of, 1992:97-99

venous insufficiency in, chronic, 1992:101 deep, 1992:102–105 superficial, 1992:101–102

Delirium, in elderly persons, 1993:28 Delphi technique, for ulcer assessment,

1993:333–334 Dementia, in elderly persons, 1993:27–28 gait disorders in, 1993:165

in HIV infection, 1992:826, 845, 927 Denton modification, of orthosis, 1994:323 Dependency test, in peripheral vascular disease, 1992:13

Depression, in chronic pain, 1994:138 in elderly persons, 1993:28

Depth-inlay shoes, 1994:261 Dermatitis, atopic, in HIV infection, 1992:868

in elderly persons, 1993:80–84 seborrheic, in HIV infection, 1992:829, 868

venous stasis, 1993:335–336 Dermatofibroma, laser surgery in, 1992:620–622

Dermatofibrosarcoma protuberans, epidemiology of, 1993:595

Dermatologic disorders. See *Skin disorders*. Dermatomyositis, in elderly persons,

1993:87–88 Dermatophyte test medium, 1993:263 Dermatophytosis, in elderly persons, 1993:263–264

in HIV infection, 1992:829, 840–841 Desipramine, in diabetic neuropathy, 1992:269

Desoxycortisone, pharmacology of, 1992:356–357

Dexamethasone, in metatarsalgia, 1994:131-132 in postoperative pain, 1994:59-60

injectable formulation of, 1992:360 Dextran, in arterial occlusive disease,

1992:74 in deep venous thrombosis, 1992:100 Diabetes mellitus, candidiasis in, 1993:84–

drugs for, in neuropathy, 1992:262–271 insulin, 1992:240–249, 316–317

sulfonylureas, 1992:249–254, 316–317 in elderly persons, 1993:231–248 bone disorders in, 1993:236–238 dermatologic disorders in, 1993:243–

diagnosis of, 1993:234-235

Diabetes mellitus (Continued)
incidence of, 1993:233
management of, compliance with,
1993:236
neuropathy in, 1993:239–240, 245–246,
343
patient education on, 1993:236
peripheral vascular disease and,
1993:208, 240–243

Pseudomonas infections with, 1993:259–260

radiologic abnormalities in, 1993:110 resources for, 1993:246 rheumatic disorders with, 1993:238–

240 symptoms of, 1993:231–233 vs. glucose intolerance, 1993:233–234

laser surgery in, 1992:637 nail disorders in, 1993:60, 67 peripheral vascular disease and,

1992:111, 125–137 arteriosclerosis development in, 1992:13

aspirin in, 1992:132 blood pressure control in, 1992:132– 133

blood sugar control in, 1992:129, 132 cholesterol control in, 1992:129, 131–

diet in, 1992:131 drug treatment in, 1992:133–134 education on, 1992:134–135 epidemiology of, 1992:125–126 exercise in, 1992:131 infection in, 1992:82, 84

infection in, 1992:82–84 intermittent claudication in, 1992:73–

pathogenesis of, 1992:126–127 pathophysiology of, 1992:127–129 signs and symptoms of, 1992:130–131 smoking and, 1992:132, 167–168 surgery in, 1992:88–89, 134 treatment of, 1992:131–135

pressure measurement in, 1993:466-468 ulcers in, 1992:711-712

Diabetic neuropathy, 1992:257–274 autonomic, 1992:259, 271 classification of, 1992:257–259 diagnosis of, 1992:261–262 distal symmetric polyneuropathy, 1992:258–259

drugs for, aldose reductase inhibitors, 1992:262–265

antiarrhythmics, 1992:268, 270 anticonvulsants, 1992:268, 270 nonsteroidal anti-inflammatory drugs, 1992:265–266

psychotropic agents, 1992:266, 268 topical, 1992:270

glycemic control in, 1992:262 in elderly persons, 1993:239–240, 245– 246, 343

mononeuropathy, 1992:257–258 pathogenesis of, 1992:259–261 pressure measurement in, 1993:467

Dialysis, HIV transmission prevention in, 1992:927–928

DIAPPERS acronym, 1993:29-30

Diarrhea, in HIV infection, 1992:827–828 nutrition and, 1992:877–878

Diascopy, in peripheral vascular disease, 1993:194

Diathermy, short-wave, in pain management, 1994:114–115

Diclofenac, in diabetic neuropathy, 1992:267

in postoperative pain, 1994:61 Didanosine (dideoxyinosine), in HIV infection, 1992:860–861 pharmacology of, 1992:484–485

Dideoxycytidine, in HIV infection, 1992:860–861

Diet, in peripheral vascular disease, with diabetes, 1992:131

of elderly persons, healing and, 1993:329-330

peripheral vascular disease risk and, 1993:206

pharmacology and, 1993:225–226 Diflunisal, in diabetic neuropathy, 1992:267 Digital arteries, pressure in, in Raynaud's vasospasticity, 1992:144

Digital nerves, neuroma of. See Interdigital (Morton's) neuroma.

Digital subtraction angiography, in peripheral vascular disease, 1992:62–63

Digitization, in orthotics fabrication, 1993:364–366

Dihematoporphyrin ether, in photodynamic therapy, of skin cancer, 1992:608–610

Dilemma, ethical, 1992:966

Dinitrochlorobenzene, in verruca removal, 1992:552–553

Diphtheroid infections, in elderly persons, 1993:260–261

Dirithromycin, pharmacology of, 1992:420 Discectomy, lasers in, 1992:732, 734

Disinfection, of office surfaces, 1992:913 Disposables, in HIV infection control, 1992:911

Distal symmetric polyneuropathy, diabetic, 1992:258–259

Distraction systems, for ankle arthroscopy, 1994:499–511

bandage in, 1994:501–502 complications of, 1994:505–506, 535– 536

analysis of, 1992:233-235

fracture table in, 1994:502-503 Guhl system, 1994:504-505 invasive, 1994:503-506 manual, 1994:500-501 noninvasive, 1994:500-503 office-based, 1994:516 Zimmer foot strap, 1994:503 Distribution, of drugs, 1992:215-216. See also specific drug. Disulfiramlike reaction, in hypoglycemic drug therapy, 1992:253-254 Diuretics, in lymphedema, 1992:163 interactions of, 1992:233, 316 Diverticulosis, 1993:10 Doppler studies, in peripheral vascular disease, 1992:36-38, 1993:198-200, 337, 347-348 arterial occlusive, 1992:73 deep venous thrombosis, 1992:95-96 digital, 1992:42, 44 in tumor evaluation, 1993:620 Dorsal column stimulation, in pain management, 1994:169 in reflex sympathetic dystrophy, 1994:81 Dorsal root ganglion, nociceptive fibers in, 1994:6-Dosage, of drugs. See also specific drug. calculation of, 1992:215 Downey Z-plasty technique, in ankle equinus deformity, 1992:806-809 Doxazosin mesylate, pharmacology of, 1992:485-486 Doxepin, in diabetic neuropathy, 1992:269 Dressings, for ulcer, 1993:339-343 Drug(s). See also Pharmacology and pharmacokinetics; specific drug. absorption of, 1992:212-215. See also specific drug. interactions and, 1992:225-226, 228-229 bioavailability of, 1992:212-215 clearance of, equations for, 1992:217-218 hepatic, 1992:218-219, 227 renal. See under Kidney distribution of, 1992:215-216. See also specific drug dosage of, 1992:215. See also specific elimination of, 1992:216-220 first-order elimination of, 1992:216-217 fraction reaching systemic circulation, 1992:214 half-life of, 1992:217-218 in elderly persons. See Pharmacologic considerations, in elderly persons. in HIV infection therapy, 1992:857-872

injectable. See Injectable drugs.

interactions of, 1992:223–238 absorption-mediated, 1992:228–229

antihypertensives, 1992:232-233, 315-316 ciprofloxacin, 1992:229-231, 405 clindamycin, 1992:413 corticosteroids, 1992:317 erythromycin, 1992:230, 419 histamine antagonists, 1992:229-230 in elderly persons, 1992:228 insulin, 1992:316-317 lithium, 1992:315 mechanisms of, 1992:224-228 metabolic alterations and, 1992:229methotrexate, 1992:231-232, 316 metronidazole, 1992:432-433 NSAIDs, 1992:232-233, 314-317 ofloxacin, 1992:229-231, 405, 482 oral hypoglycemics, 1992:316-317 pharmacodynamic, 1992:227-228, 232-233 pharmacokinetic, 1992:224-227 probenecid, 1992:232, 317 quinolones, 1992:229-231, 405 renal excretion and, 1992:227, 231-232 tetracyclines, 1992:228-229, 436 vancomycin, 1992:428 warfarin, 1992:218-219, 314-315 lupus erythematosus induced by, 1993:153-154 metabolism of, 1992:216-220. See also specific drug first-pass, 1992:214 interactions and, 1992:227, 229-231 new, 1992:481-501. See also Ofloxacin. benazepril, 1992:491 bepredil, 1992:488-489 didanosine, 1992:484-485 doxazosin mesylate, 1992:485-486 erythropoietin, 1992:495-496 felodipine, 1992:487-488 filgrastim, 1992:492-493 fludarabine, 1992:494-495 for AIDS, 1992:483-485 foscarnet, 1992:483-484 fosinopril, 1992:489-490 HA-1A monoclonal antibody, 1992:498-499 idarubcin, 1992:493-494 isradipine, 1992:486-487 olsalazine, 1992:497-498 ondansetron, 1992:496-497 ramipril, 1992:490-491 sargramostim, 1992:491-492 protein binding of, 1992:215-216, 226 rash from, 1993:81-82 volume of distribution of, 1992:215-216 wound healing and, 1993:330-331 zero-order elimination of, 1992:216-217

Dry skin, in HIV infection, 1992:867 DuoDERM dressing, in venous stasis ulcer, 1992:104

Duplex scanning, in deep venous thrombosis, 1992:96–97

Dupuytren's disease, plantar fibromatosis in, 1993:593

Durometer, for shoe material evaluation, 1994:245-246

Dye laser, in skin lesion treatment, 1992:612, 694–695

Dying and death, ethical considerations in, 1993:36

in HIV infection, 1992:993-996

Dynamic (kinematic) gait analysis, 1993:476–478

Motion Analysis System for, 1993:501-527

PEAK Rearfoot Clinical Assessment System for, 1993:529-538

PEL-38 Electronic Podometer for, 1993:417–429

Vector System for, 1993:485-500 Dysesthesia, in HIV infection, physical therapy in, 1992:890-891

Eccrine poroma, histopathology of, 1992:575

Ecthyma, in elderly persons, 1993:86 Eczema, in elderly persons, 1993:80–81 Edema, in Charcot joint disease, 1994:272–

273 in HIV infection, 1992:886-887

in peripheral vascular disease, 1992:10– 11, 1993:192

in reflex sympathetic dystrophy, 1994:78 in venous stasis, 1993:336

lymphatic. See Lymphedema.

physical medicine modalities in, 1993:281 shoe therapy for, 1994:264–265

EDG system. See Electrodynogram System. Edge enhancement, in xeroradiography, 1993:618

Education, for geriatric care, 1993:294-295, 297-313

for laser surgery, 1992:514–515, 655, 764 patient, 1993:311–313

ADAM software for, 1993:572, 574 in diabetes mellitus, 1993:236 Vector System for, 1993:490

Effleurage, in pain relief, 1992:887 Elastic stockings and wraps, in venous

stasis, 1993:338
Elderly persons. See also Aging.
age-related changes in, 1993:23–24
in cardiovascular function, 1993:7–8

in central nervous system function, 1993:15-17

in dermal function, 1993:14

in endocrine function, 1993:13-14 in gastrointestinal function, 1993:9-11

in hematologic system, 1993:17 in immune function, 1993:17–18

in kidney function, 1993:11–13

in liver function, 1993:11

in musculoskeletal function, 1993:14

in pulmonary function, 1993:8-9 in sensory function, 1993:14-15

radiologic aspects of, 1993:97–112 arthritis in. See Arthritis; Osteoarthritis; Rheumatoid arthritis.

assessment of, 1993:30–32, **47–57** general, 1993:47–52

podiatric, 1993:52–56 atypical disease presentation in, 1993:26–

bone disorders in, with diabetes mellitus, 1993:236–238

1993:230–236 brain degenerative disease in, 1993:167– 172

calcium pyrophosphate dihydrate deposition disease in, 1993:154

callosities in, 1993:75-76

care of, education for, 1993:294-295, 297-313

Medicare and, 1993:315-325 cerebellar ataxia in, 1993:163-164, 167-

cerebellar ataxia in, 1993:163–164, 167–
168
cerebrovascular accidents in, 1993:163,

172-176 chronic subdural hematoma in, 1993:163

clawtoe in, 1993:126-127 cognitive failure in, 1993:27-28

common pathologic conditions in, 1993:24–25

dementia in, 1993:165

demographic aspects of, 1993:1-6 depression in, 1993:28

depression in, 1993:28 dermatitis in, 1993:80–84

dermatologic manifestations in, 1993:79-95

diabetes mellitus in, 1993:231-248 peripheral vascular disease and, 1993:208

Pseudomonas infections with, 1993:259-260

drug use in, analgesics, 1992:368–369, 378–380

benzodiazepines, 1992:474 interactions, 1992:228

topical steroids, 1992:291 vasoconstrictive agents, 1992:356

economic status of, 1993:3-4 eczema in, 1993:80-83

pathophysiology of, 1994:42 perception of, 1994:42–43

peripheral neuropathy in, 1993:166-167

ethical considerations related to. 1993:35falling in, 1993:28-29 fifth toe adductovarus deformity in, first metatarsophalangeal joint disorders in, 1993:123-124 forefoot disorders in, nonsurgical management of, 1993:121-128 fungal nail infections in, 1993:60-63, 84gait disorders in, 1993:28-29, 162-176 from brain defects, 1993:163-165 from degenerative disease, 1993:167-172 from neurovascular disorders, 1993:172-176 from peripheral neuropathy, 1993:166-167 from spinal cord disorders, 1993:165-166 giant cell arteritis in, 1993:152 glucose intolerance in, 1993:233-234 hallux limitus/rigidus in, 1993:124-125 hammertoe in, 1993:126-127 health status of, 1993:4-5 heel pain in, 1993:113-119 heloma in, 1993:61, 63, 70-75, 121-122 hematologic disorders in, dermal manifestations of, 1993:83-84 hyperkeratoses in, 1993:69-77, 121-122 impairment in, 1993:4 in long-term care facilities, podiatric services for, 1993:285-296 infections in, 1993:249-269 dermal, 1993:84-87 intellectual failure in, 1993:27-28 joint diseases in, 1993:137-159 malignant melanoma in, 1993:91-93 metatarsalgia in, 1993:126 multiple disorders in, 1993:25 necrotizing vasculitis in, 1993:84 neurologic manifestations in, 1993:161neuropathy in, with diabetes mellitus, 1993:239-240, 245-246 nonspecific disease presentation in,

1993:26-30

pain in, 1994:41-53

orthoses for, 1994:226-227

onychial disorders in, 1993:59-68

osteoarthrosis in, 1993:143-145

assessment of, 1994:43-45

management of, guidelines for,

pharmacotherapy in, 1994:45-50

physical therapy in, 1994:50-51

beliefs affecting, 1994:43

causes of, 1994:41-42

1994:44-45

peripheral vascular disease in. See under Peripheral vascular disease. pharmacologic considerations in, 1993:25-26, 221-230 photodermatitis in, 1993:82 physical medicine modalities for, 1993:271-283 polymyalgia rheumatica in, 1993:151-152 population statistics on, 1993:1-3 profile of, 1993:1-6 progressive supranuclear palsy in, 1993:165 purpura in, 1993:84 radio dermatitis in, 1993:82-83 Raynaud's syndrome in, 1993:190, 214 reserve potentials in, 1993:273 rheumatic disorders in, 1993:145-151 with diabetes mellitus, 1993:238-240 sesamoiditis in, 1993:125 skin disorders in. See under Skin disorspinal cord gait disorders in, 1993:165stasis dermatitis in, 1993:83-84 surgical considerations in, 1993:32, 129goals of surgery in, 1993:133-135 necessity for surgery and, 1993:132postoperative assessment in, 1993:135 preoperative assessment in, 1993:130-132 procedure selection in, 1993:134-135 team approach in, 1993:135-136 systemic lupus erythematosus in, 1993:152-154 tailor's bunion in, 1993:127 état lacunaire in, 1993:165 topical medications use in, 1993:228 tyloma in, 1993:124 ulcers in, 1993:83-84 therapy for, 1993:327-353 urinary incontinence in, 1993:29-30 vascular disorders in, dermal manifestations of, 1993:83-84 evaluation of, 1993:187-203 xanthoma in, 1993:94 xerosis in, 1993:80-82 Electric heating pad, in pain management, 1994:112 Electric stimulation, functional, in HIV infection, 1992:891 Electrical modalities, in pain management, 1994:119-123, 161-175. See also Transcutaneous electrical nerve

stimulation.

Electrical modalities (Continued) cranial electric stimulation, 1994:169– 170

> dorsal column stimulation, 1994:81, 169

high-voltage stimulation, 1994:171 history of, 1994:161-162

indications for, 1994:162

interferential current therapy, 1994:170-171

iontophoresis, 1994:119–120, 172–173 low-voltage microampere stimulation, 1994:171–172

percutaneous electrical nerve stimulation, 1994:167–169 placebo effect in, 1994:162

pulsed electromagnetic therapy, 1994:172

Electrical stimulation therapy, for elderly persons, 1993:275–276, 280–282

Electrodynogram System, in gait analysis, 1993:431-443

artificial intelligence feature of, 1993:437–438

comparison with normals, 1993:407 components of, 1993:440-443 errors in, 1993:439

graphics display in, 1993:437 historical background of, 1993:431–432

indications for, 1993:439-440 portability of, 1993:438-439

pressure measurement in, 1993:432–

Electromyography, in heel pain, 1994:620-621

in peripheral neuropathy, 1994:557, 559– 562, 574–575

Electrophysiologic testing, in heel pain, 1994:620–621

in peripheral neuropathy, 1994:556–562, 571–578

advantages of, 1994:571-572 components of, 1994:572-575

indications for, 1994:575–576 personnel involved in, 1994:576–577 results of, 1994:577

Elevation, for postoperative pain, 1994:61–

in compartment syndromes, 1994:600 Elevational pallor test, in peripheral

Elevational pallor test, in peripheral vascular disease, 1993:193
Elimination, of drugs, 1992:216–220. See

also specific drug.
ELISA (enzyme-linked immunosorbent assay), in HIV testing, 1992:896–897

Elmslie procedure, for lateral ankle stabilization, 1994:410-411, 414 Embolectomy, in arterial occlusive disease, 1992:71–72

Embolism, arterial, in elderly persons, 1993:212–213

pulmonary, in deep venous thrombosis, 1992:99-101

EMED System, for pressure measurement, 1993:445–454

data analysis in, 1993:446 EMED PEDAR System (in-shoe

analysis), 1993:452–453 EMED-SF system (clinical and research

applications), 1993:446–449 EMED-SL System (low-cost), 1993:452 Micro-EMED System (portable),

1993:407–409, 412, 449–451 Mini-EMED System (dedicated to plantar pressure analysis),

1993:451-452 Pedoport System (postoperative evaluation), 1993:453

sensor characteristics of, 1993:446 Emergency medicine, HIV infection control in, 1992:929–930, **933–937**

Emollients, for dry skin, 1992:117–118 Encephalopathy, in HIV infection, 1992:826, 845

Enchondroma, bone, differential diagnosis of, 1993:651, 698 epidemiology of, 1993:586

Enchondromatosis, differential diagnosis of, 1993:698–699

Endarterectomy, in peripheral vascular disease, 1992:87

Endocrine system, age-related changes in, 1993:13–14

Endoscopy, for plantar fasciotomy, 1994:469-481

Endothelial cell(s), in angiogenesis. See Angiogenesis.

Endothelial cell stimulating angiogenesis factor, 1992:193–194

Endotrac system, for plantar fasciotomy, 1994:472–473, 478

Energy dispersion, of laser, 1992:636 Energy fluence, of lasers, 1992:542

Energy return, from running shoes, 1994:243

Enkephalins, in pain modulation, 1994:11–12

Enoxacin, interactions of, 1992:229–231 Enterococcus faecalis infection, in elderly persons, 1993:258

Enteropathy, in HIV infection, 1992:828 isolation in, 1992:924 nutrition in, 1992:877-878

Enthesopathy, in elderly persons, 1993:106 Environmental factors, in phantom pain, 1994:94–95, 102 Enzyme-linked immunosorbent assay, in HIV testing, 1992:896–897

Epalrestat, in diabetic neuropathy, 1992:263, 265

Epidermal inclusion cyst, bone, differential diagnosis of, 1993:651

Epidermophyton infections, in elderly persons, 1993:263–264

Epidural anesthesia, for pediatric patients, 1994:34-37

Epinephrine, with local anesthetics, 1992:355

Epithelialization, in healing, 1993:328–329 Epithelioid sarcoma, epidemiology of, 1993:602

Equinovarus deformity, in stroke, 1994:639 Equinus deformity, ankle, orthosis compensation for, 1994:193–195 in cerebral palsy, 1994:650–652 in hip fracture, 1993:278

in stroke, 1994:637

Erbium-yttrium aluminum garnet laser, in bone surgery, 1992:723, 729

Errors, ethical handling of, 1992:973 Erysipelas, in elderly persons, 1993:85–86 Erythrasma, in elderly persons, 1993:86

Erythromelalgia, 1993:215

pain in, 1992:6
Erythromycin, 1992:413–420
adverse effects of, 1992:418–419
antimicrobial spectrum of, 1992:417
chemistry of, 1992:413–414
clinical uses of, 1992:417–418
dosage of, 1992:419–420
in bacillary angiomatosis, 1992:869
in diabetic neuropathy, 1992:271
in erythrasma, 1993:86
interactions of, 1992:230, 419
mechanism of action of, 1992:414

pharmacokinetics of, 1992:414–416 Erythromycyclamine, pharmacology of,

1992:420 Erythropoietin, pharmacology of, 1992:495– 496

Esophagitis, in HIV infection, 1992:876–877 Esophagus, age-related changes in, 1993:9– 10

État lacunaire, gait disorders in, 1993:165 Ethical considerations, in care of elderly

persons, 1993:35–46 allocation decisions in, 1993:36–39 applied, 1993:43–45 death and, 1993:36 primary issues in, 1993:35–39

professional ethics in, 1993:39-43 in laser surgery, 1992:517-518

in treating HIV-infected patients. See Human immunodeficiency virus infection, ethical considerations in. Ethylene vinyl acetate foam, for orthosis, 1994:224

Etidocaine, as local anesthetic, 1992:354 Etodolac, in diabetic neuropathy, 1992:267 Evans procedure, for lateral ankle stabilization, 1994:410, 412

Everted deformity, forefoot, orthosis for, 1994:189–196

Ewing's sarcoma, differential diagnosis of, 1993:649, 710

epidemiology of, 1993:589–590 radiography of, 1993:643 treatment of, 1993:724

Excimer laser surgery, in skin lesions, 1992:611-612, 688-689 on cartilage, 1992:731

osteotomy, 1992:729 Excisional biopsy, in tumor evaluation, 1993:614

Exercise, for elderly persons, 1993:276, 281–282

home program for, 1993:282 in arthritis, 1993:277

in peripheral vascular disease, 1993:280

lack of, peripheral vascular disease and, 1993:208-209 stimulation active, 1993:275

voluntary active, 1993:275 in musculoskeletal problems, in HIV infection, 1992:886–887, 891

peripheral vascular disease and, 1992:173-184

blood rheology in, 1992:180 mechanism of improvement in, 1992:178–180

1992:178–180 metabolic factors in, 1992:181 physiology of, 1992:177–178

predicting effects of, 1992:181–182 vascular involvement and, 1992:177 walking, 1992:182

water exercise, 1992:182 with diabetes, 1992:131

stimulation active, in pain management, 1994:121–123

Theraband, for posterior tibial tendon, 1994:315

Exercise testing, in peripheral vascular disease, 1992:28, 41–42, 73

Exostoses, 1993:61 calcaneal, 1993:114-116

hereditary multiple, 1993:701

subungual, 1993:63

Extracellular matrix, in angiogenesis, 1992:188–189

Extravasation, of fluids, after arthroscopy, 1994:533-534

Extrinsic forefoot posting, 1994:198–199

Eye, HIV infection manifestations in, 1992:831-832

Facilitation methods, in musculoskeletal problems, 1992:889, 891–892 Factitious lymphedema, 1992:159

Falling, in elderly persons, 1993:28-29 Famotidine, interactions of, 1992:230

Fasciculations, in peripheral neuropathy, evaluation of, 1994:555

Fasciitis, in elderly persons, with diabetes mellitus, 1993:240

nodular, epidemiology of, 1993:594 plantar, functional orthosis for, 1994:314

Fasciotomy, in compartment syndromes, 1994:599, 602–603

plantar. See Plantar fasciotomy.

Fecal incontinence, in elderly persons, 1993:11

Feehery modification, of orthosis, 1994:325 Felodipine, pharmacology of, 1992:487–488 Felt and foam padding, total contact, for

pressure ulceration, 1994:340-351 Femoral venous bypass, in venous

reconstruction, 1992:105

Femoral-to-femoral bypass, in peripheral vascular disease, 1992:87

Fenoprofen, in diabetic neuropathy, 1992:267

Fentanyl, for elderly persons, 1994:48–49 for pediatric patients, 1994:27–28, 31 Fettig modification, of inverted orthosis,

1994:324, 326, 328

Fever, in elderly persons, 1993:252

Fibrohistiocytic tumors, epidemiology of, bone, 1993:587–588 soft-tissue, 1993:595–596

Fibrolysin, in ulcer treatment, 1993:341 Fibroma, calcifying aponeurotic,

epidemiology of, 1993:593-594

chondromyxoid, computed tomography of, 1993:671 differential diagnosis of, 1993:695–696

epidemiology of, 1993:587

laser surgery in, 1992:620-622 nonossifying, differential diagnosis of,

1993:706–707 tendon sheath, epidemiology of, 1993:594 Fibromatosis, infantile digital,

epidemiology of, 1993:594 laser surgery in, 1992:555

plantar, epidemiology of, 1993:593

histopathology of, 1992:570 in elderly persons, with diabetes mellitus, 1993:240

laser surgery in, 1992:619

subcutaneous (nodular fasciitis), epidemiology of, 1993:594

Fibromyalgia, 1994:137–138 Fibroplasia, in healing, 1993:328

Fibrosarcoma, epidemiology of, bone, 1993:587

soft-tissue, 1993:594

Fibrous bands, of ankle joint, 1994:374-381 arthroscopy in, 1994:494-496

Fibrous dysplasia, bone, differential diagnosis of, 1993:706 epidemiology of, 1993:584

Fibrous histiocytoma, soft-tissue, epidemiology of, 1993:595

Fibroxanthoma, magnetic resonance imaging of, 1993:630–631

Fidelity, in medical ethics, 1992:965 Filariasis, lymphedema in, 1992:160

Filgrastim, pharmacology of, 1992:492–493 Fillers, for orthosis, 1994:206–209

Filter, vena caval, in pulmonary embolism, 1992:99–100

Fine needle aspiration biopsy, in tumor evaluation, 1993:614

First-order elimination, of drugs, 1992:216– 217

Fish tank granuloma, 1993:255

Fistula, synovial, in arthroscopy, 1994:533 Five-minute reactive hyperemia test, in

peripheral vascular disease, 1992:32–34 Flare width, of shoe soles, biomechanics of,

1994:249-250 Flatfoot, peroneal spastic, orthosis for, 1994:197-198

treatment of, Medicare regulations on, 1993:320-321

Flexeril, in phantom pain, 1994:100 Flexibility, of shoes, biomechanics of, 1994:251–253

Flexion deformities, of toes, in stroke, treatment of, 1994:639

Flexor reflex, in pain response, 1994:7 Fluconazole, in cryptococcosis, 1992:866 in histoplasmosis, 1992:865 in HIV infection, 1992:865

interactions of, 1992:229, 231 pharmacology of, 1992:277

Flucytosine, in sporotrichosis, 1992:866 side effects of, 1992:863

Fludarabine, pharmacology of, 1992:494–495

Fludrocortisone, in diabetic neuropathy, 1992:271

Flumazenil, as benzodiazepine antagonist, 1992:473

Fluoroquinolones, interactions of, 1992:229-231

Fluoroscopy, in tumor evaluation, 1993:636

Fluoxetine, in diabetic neuropathy, 1992:269

Flurbiprofen, in postoperative pain, 1994:61 Foam materials, for orthosis, 1994:223-224 for ulcer, 1993:340

total contact, for pressure ulceration, 1994:340–351

Folliculitis, in elderly persons, *Pseudomonas*, 1993:259–260

in HIV infection, 1992:840, 868

Food, for HIV-infected patient, 1992:873-881

Foot bridge, for running shoes, 1994:248 Foot drop, evaluation of, 1994:551 in stroke, 1994:637

Foot strap, for distraction, in ankle arthroscopy, 1994:503

Footballer's ankle. See Anterior ankle impingement syndrome.

Footwear. See Shoes.

Foramen calcanei, in elderly persons, 1993:104–105

Force data collector in Electrodynagram

Force data collector, in Electrodynogram System, 1993:440–441

Force line (center of pressure index), in orthosis evaluation, 1994:353-361 Forced expiratory volume for one minute,

age-related changes in, 1993:8–9
Forefoot, deformities of, identification of,

1994:189–196 everted deformity of, orthosis for,

1994:189-196 inverted deformity of, orthosis for, 1994:189-196

varus deformity of, orthosis for, 1994:208 Forefoot disorders, in elderly persons,

1993:121–128 adductovarus fifth toe, 1993:127

clawtoes, 1993:126–127 first metatarsophalangeal joint,

1993:123–124 hallux limitus/rigidus, 1993:124–125 hammertoes, 1993:126–127

hyperkeratosis, 1993:121–122 metatarsalgia, 1993:126 sesamoiditis, 1993:125

tailor's bunion, 1993:127

Forefoot posting, of orthosis, 1994:209–210 extrinsic, 1994:198–199 intrinsic, 1994:198–199

Foreign bodies, in nail plate, 1993:63–64 xeroradiography of, 1993:618–619

Foreign body lymphedema, 1992:160 Foscarnet, in herpes simplex virus infection, 1992:869

in HIV infection, 1992:861 pharmacology of, 1992:483-484 Fosinopril, pharmacology of, 1992:489–490 Fracture(s), compartment syndromes in, 1994:594

in elderly persons, 1993:237–238 hip, physical medicine modalities for, 1993:278

radiology of, 1993:111

Fracture table, for distraction, in ankle arthroscopy, 1994:502-503 Frost matrixectomy, laser, 1992:646

Frozen section, in tumor evaluation, 1993:614

F-Scan System, for pressure measurement, 1993:407-409, 412, 455-461 Fulp-McGlamry technique, in ankle

equinus deformity, 1992:809–810 Functional electric stimulation, in HIV

infection, 1992:891 Functional residual capacity, age-related

changes in, 1993:8 Funduscopy, in peripheral vascular

disease, 1992:8
Fungal infections, drugs for. See Antifungal agents.

in elderly persons, 1993:60–63, 84–85, 262–265

causative organisms in, 1993:263
Pseudomonas infections with, 1993:259

in HIV infection, 1992:829, 839 drugs for, 1992:864–867

nail, laser treatment of, 1992:646-648 Fusion, arthroscopic, of ankle and subtalar

joint, 1994:395–406 patient selection for, 1994:405 postoperative care in, 1994:403, 405 principles of, 1994:396 techniques for, 1994:397–403

Gadolinium, in magnetic resonance imaging, 1993:678

Gait, center of pressure index during, 1994:353–361

shoe biomechanics and. See Shoes, biomechanics of.

Gait analysis, 1993:471-484. See also Pressure measurement.

Bergmann Foot Scanner for, 1993:370–371

clinical utility of, 1993:480-482 dynamic (kinematic), 1993:476-478

dynamic (kinematic), 1993:476–478 Motion Analysis System for, 1993:501– 527

PEAK Rearfoot Clinical Assessment System for, 1993:529-538

PEL-38 Electronic Podometer for, 1993:417–429

Vector System for, 1993:485-500

Gait analysis (Continued)

Electrodynogram System for, 1993:431-

for angle-of-gait problems, 1994:212–213 for footwear design and manufacture, 1993:480

for orthosis, 1994:316–324 for surgical planning, 1993:479 historical review of, 1993:471–476 in elderly persons, 1993:273–274

kinematic. See subhead: dynamic (kinematic).

Motion Analysis System for, 1993:501– 527

PEAK Rearfoot Clinical Assessment System for, 1993:529-538

PEL-38 Electronic Podometer for, 1993:417–429

quantitative, 1993:479

static, PEL-38 Electronic Podometer for, 1993:421–423

two-dimensional. See Motion Analysis System.

Vector System for, 1993:485-500

Gait disorders, in elderly persons, 1993:28-29, 162-176

in Alzheimer's disease, 1993:167-168, 170-171

in amyotrophic lateral sclerosis, 1993:168–172

in brain defects, 1993:163–165 in degenerative disease, 1993:167–172 in neurovascular disorders, 1993:172– 176

in parkinsonism, 1993:168–172 in peripheral neuropathy, 1993:166–

in senile chorea, 1993:168, 170–172 in spinal cord disorders, 1993:165–166

Gait line, analysis of, 1993:413 Gait plates, 1994:211-217

Galvanic (high-voltage) stimulation, in pain management, 1994:171

Ganglion cyst, computed tomography of, 1993:623

epidemiology of, 1993:601-602 laser surgery in, 1992:622

Gangrene, in peripheral vascular disease, 1992:25, 83–84, 118, 130–131

Gardner's syndrome, tumors in, 1993:611 Gastrocnemius aponeurosis, distal

recession of, in ankle equinus deformity, 1992:802

lengthening of, in ankle equinus deformity, 1992:802-810

Gastrocnemius muscle, anatomy of, 1992:781–783 function of, 1992:783 Gastrointestinal system, age-related changes in, 1993:9-11 pharmacology and, 1993:223

drug absorption in, interactions and, 1992:225-226

HIV infection manifestations in, 1992:827-829

NSAID effects on, 1992:309–310 Gate control theory of pain, 1994:148–150 Gentamicin, antimicrobial spectrum of, 1992:445–446

dosage of, 1992:449-451

Geographic destruction, in bone tumors, 1993:638

Geriatric patients. See Elderly persons. Geriatrics/gerontology, professional education program for, 1993:294–295, 297–313

Giant cell arteritis, in elderly persons, 1993:152

Giant cell tumors, bone, computed tomography of, 1993:670 differential diagnosis of, 1993:649, 707,

709 epidemiology of, 1993:589 imaging of, 1993:659

tendon sheath, epidemiology of, 1993:598 Glipizide, pharmacology of, 1992:252–253 Glomus tumor, histopathology of, 1992:591

soft-tissue, epidemiology of, 1993:597 Gloves, in HIV transmission prevention,

1992:904–905, 909–910, 918 Glucocorticosteroids. See *Corticosteroids*. Glucose, blood, peripheral vascular disease and, 1992:129, 132

and, 1992:129, 132 wound healing and, 1993:330

Glucose tolerance/intolerance, age-related changes in, 1993:13, 233–234
Glyburide, pharmacology of, 1992:252–253

Glycosylation, protein, in diabetic neuropathy, 1992:260

Gold salts, in rheumatic disease, 1992:331-332

Gold vapor laser surgery, in skin lesions, 1992:611, 695

Goniometer, in combined rearfoot axis evaluation, 1994:282

Gout, in elderly persons, 1993:132, 148–151 heel pain in, 1993:117 radiology of, 1993:108–109 with diabetes mellitus, 1993:238 nonsteroidal anti-inflammatory drugs in,

1992:307-308 Grafts, in peripheral vascular disease, 1992:89

muscle, healing of, 1992:195–197 Granulation tissue, histopathology of, 1992:591

Granuloma, laser surgery in, 1992:624-625

pyogenic, 1992:690, 692 Granulomatous infections, in elderly persons, 1993:254–256

Gray matter, of spinal cord, nociceptive fibers in, 1994:8-9

Greenfield filter, in pulmonary embolism, 1992:99–100

Griseofulvin, in Raynaud's vasospasticity, 1992:145 pharmacology of, 1992:277–279

Growth factors, in angiogenesis, 1992:189–

Guhl system, for distraction, in ankle arthroscopy, 1994:504–505

Guided imagery, in pain management, in elderly persons, 1994:51

Guillain-Barré syndrome, diagnosis of, 1994:562–563

HA-1A monoclonal antibody, pharmacology of, 1992:498–499 Haglund's deformity, heel pain in, 1993:117 Hair, growth of, inspection of, in

peripheral vascular disease, 1992:10 peripheral vascular disease effects on, 1993:190

Hair-on-end appearance, of bone tumor, 1993:643

Hairy leukoplakia, in HIV infection, 1992:831

Half-life, of drugs, 1992:217–218 Hallux abducto valgus deformity, in cerebral palsy, surgical correction of,

1994:647-654 Hallux limitus/rigidus, in elderly persons, 1993:124-125

orthosis function and, 1994:289-290

Hallux valgus, in elderly persons, 1993:123-124, 132, 134

Hammertoe deformity, in elderly persons, 1993:126-127, 132

in stroke, treatment of, 1994:639 Handwashing, in HIV transmission

prevention, 1992:909-910

Hapalonychia, 1993:66

Healing, after laser surgery, bone, 1992:723–724, 728

cartilage, 1992:739-747

age-related changes in, 1993:14, 228 angiogenesis in, bone, 1992:194-195

wound, 1992:190–192 in peripheral vascular disease, prediction of, 1992:29–31

of tendons, 1992:797-802

of ulcers. See also Ulceration, in elderly persons, treatment of. drug effects on, 1993:330–331 nutritional aspects of, 1993:329-330 physiology of, 1993:327-329

Healing shoe, for pressure ulceration, 1994:339-340

Health care workers, HIV transmission and. See Human immunodeficiency virus infection, transmission of, prevention of; Occupational acquisition, of HIV infection.

Hearing, age-related changes in, 1993:15 Heat therapy, for elderly persons, 1993:275, 280–282

> in peripheral vascular disease, 1993:280

for pain, 1994:108–117
deep, 1994:109, 114–117
electric heating pad, 1994:112
hot packs, 1994:112
hot water bottle, 1994:112
hot wet towels, 1994:113
infrared radiation, 1994:110–111
paraffin baths, 1994:113
physiologic effects of, 1994:109
precautions with, 1994:109–110
short-wave diathermy, 1994:114–115
superficial, 1994:109–110
ultrasonography, 1994:116–117

in pain relief, 1992:885 Heating pad, in pain management, 1994:112

Heberden's nodes, in osteoarthritis, 1994:127-128

Heel, of orthosis, lateral expansion of, 1994:208

Thomas, 1994:233

Heel counter, biomechanics of, 1994:253– 254

Heel cup, for orthosis, specifications for, 1994:200–201

Heel lift, for limb length discrepancy, 1994:265

Heel pain, in elderly persons, 1993:113–119 classification of, 1993:113–114 frequency of, 1993:114 in diffuse connective tissue disease, 1993:117

in gout, 1993:117 in heel pain syndrome, 1993:115 in infection, 1993:116 in nerve entrapment, 1993:115–116 in plantar calcaneal exostosis,

1993:114–115 in posterior calcaneal exostosis, 1993:116

in vascular disease, 1993:117

management of, 1993:114-117 nerve entrapment in, 1994:617-624 clinical features of, 1994:620

electrodiagnosis of, 1994:620–621

Heel pain (Continued)

historical review of, 1994:617-620 treatment of, 1994:621-622

Heel spur syndrome, fasciotomy in. See Plantar fasciotomy.

Heel stabilizer, for angle-of-gait problems, type D, 1994:214, 216 type E, 1994:216

Height plot, in optical scanning, 1993:370 Helium-neon laser surgery, in skin lesions, 1992:695

Heloma, in elderly persons, 1993:61, 70-75, 121-122

subungual, 1993:63

Heloma miliare (punctata aereata), laser surgery in, 1992:622–623

Hemangioendothelioma, soft-tissue, epidemiology of, 1993:597–598

Hemangioma, bone, angiography of, 1993:619

computed tomography of, 1993:623 epidemiology of, 1993:588-589 cavernous, histopathology of, 1992:590

soft-tissue, epidemiology of, 1993:597 Hemangiopericytoma, case study of, 1993:735–739

Hemarthrosis, after arthroscopy, 1994:531-532

Hematologic system, age-related changes in, 1993:17–18

AZT therapy effects on, 1992:859–860 disorders of, skin manifestations of, 1993:83–84

HIV infection manifestations in, 1992:832-834

NSAID effects on, 1992:312

Hematoma, subungual, laser treatment of, 1992:648

Hematopoietic growth factors, pharmacology of, 1992:491–493, 495– 496

Hematoporphyrins, in photodynamic therapy, of skin cancer, 1992:608–610

Hemiplegia, in elderly persons, physical medicine modalities for, 1993:276–277

Hemodialysis, HIV transmission prevention in, 1992:927–928

Hemolysins, 1993:257

Hemorrhage, in laser surgery, 1992:768 subungual, 1993:63–64

Hemostasis, in laser surgery, 1992:547, 678-679, 768

Hendersonula toruloide infections, in elderly persons, 1993:265

Heparin, in arterial occlusive disease, 1992:71

in deep venous thrombosis, 1992:97-100 Hepatic extraction ratio, of drugs, 1992:214 Hepatitis B, vaccination for, 1992:906, 913 Hereditary multiple exostoses, differential diagnosis of, 1993:701

Herpes simplex virus infections, in elderly persons, 1993:266

in HIV infection, 1992:830, 843, 869 Herpes varicella-zoster virus infections, in

elderly persons, 1993:86–87, 266 High-voltage stimulation, in pain management, 1994:171

Hip fracture, 1993:28-29

physical medicine modalities for, 1993:278

Histamine antagonists, interactions of, 1992:229–230

Histiocytoma, fibrous, benign, epidemiology of, 1993:595 malignant, epidemiology of, 1993:587– 588, 595

laser surgery in, 1992:555

Histoplasmosis, in HIV infection, 1992:841, 866

History, in peripheral vascular disease, 1992:2–7, 26–27, 176

in tumor diagnosis, 1993:610–611 medical, HIV transmission prevention and, 1992:907–908

HIV infection. See Human immunodeficiency virus infection.

Holmium-yttrium aluminum garnet laser surgery, on joints, 1992:731–732, 734

Holmium-yttrium-scandium-gallium rgery

garnet laser surgery, on bone, 1992:723 Homan's sign, in peripheral vascular disease, 1992:15

Hosiery, for pressure reduction, 1993:468 Host defenses, in elderly persons, 1993:250–251

nonspecific, 1993:251–252 specific, 1993:252–254

Hot packs, in pain management, 1994:112 "Hot scalpel", in laser surgery, 1992:696

Hot spot, in radionuclide scintigraphy, 1993:663

Hot water bottle, in pain management, 1994:112

Hot wet towels, in pain management, 1994:112

Human immunodeficiency virus, antibodies of, detection of, 1992:896– 897

antigens of, testing for, 1992:897–898 culture of, 1992:898 in laser plume, 1992:775

recombinant, in HIV infection therapy, 1992:861

Human immunodeficiency virus infection, aspergillosis in, 1993:265 clinical signs and symptoms of, 1992:839. See also subhead: systemic manifestations of. confidentiality in, 1992:956–957

disclosure of, health care worker status, 1992:982-986

patient status, 1992:979 drugs for, 1992:483–485, **857–872** dying and death from, **1992:993–996** epidemiology of, 1992:838–839

ethical considerations in, 1992:961–974 balance of elements, 1992:967 billing alterations, 1992:971–973 confidentiality in, 1992:968–970 deontologic, 1992:964 dilemma in, 1992:966

error corrections, 1992:973 foundations of, 1992:964

historical perspectives of, 1992:962–963 ideals, 1992:965–966

infected practitioner, 1992:970 obligations, 1992:965

obligations to treat, 1992:967–968 professional code limitations and,

1992:963–964 rights to care, 1992:971 societal dimensions, 1992:966 subsidiarity principle, 1992:971 teleologic, 1992:964

typical questions in, 1992:961-962

utilitarian, 1992:964 fungal infections in, 1992:829, 839, 1993:263–264

drugs for, 1992:864–867 immunodeficiency in, 1993:251 laboratory testing in, 1992:838 legal aspects of, 1992:975–991

Centers for Disease Control guidelines, 1992:987–989

Congressional legislation, 1992:989 health care workers rights and obligations, 1992:976–978, 981–984

patient rights and obligations, 1992:978-980, 984-987 treatment by HIV-infected health care

workers, 1992:980–987 treatment of HIV-infected patients, 1992:975–980

malignancies in, 1993:611 malnutrition in, 1992:874–875 mechanism of infection in, 1992:821–822 nutrition in, 1992:873–881 pathology of, 1992:837–838

physical therapy in, 1992:883–893 psychological aspects of, 1992:994–996 public health considerations in,

1992:951–959 objectives of, 1992:953–955 regulatory issues in, 1992:955–958 seroconversion in, 1992:940 staging of, 1992:822, 838–839 systemic complications of, 1992:821–835 central pervous system, 1992:887–892

central nervous system, 1992:887–892 dermatologic, 1992:829–831, 839–845 endocrine manifestations, 1992:832 gastrointestinal, 1992:827–829, 876–878 hematologic manifestations, 1992:832–

musculoskeletal, 1992:886-887, 891-892

neurologic, 1992:825–827, 845–846, 887–892, 927

ocular, 1992:831-832 oral, 1992:831

pulmonary, 1992:822-825

testing for, antibody detection, 1992:896– 897

antigen detection, 1992:897–898 double-checking of, 1992:983–984 health care workers, 1992:981–982 legal aspects of, 1992:978–980 mandatory, 1992:981–982 polymerase chain reaction, 1992:898 viral culture, 1992:898

transmission of, as malpractice, 1992:987 from health care workers, 1992:925, 935, 955–956

ethical considerations in, 1992:961,

legal aspects of, 1992:980–987 in food handling, 1992:878–879 in saliva, 1992:926

legal aspects of. See Human immunodeficiency virus infection, legal aspects of.

nosocomial, 1992:925, 935

prevention of, **1992:901–915**, **917–932** after possible exposure to HIV, 1992:913–914, 930–931

autoclave operation in, 1992:909 barrier equipment for, 1992:904–905 behavior modification in, 1992:953 Centers for Disease Control recommendations on, 1992:954–955 disinfection of surfaces in, 1992:913

disposables in, 1992:911 employee risk classification and,

1992:903–904 from health care workers, 1992:925, 935

from tissue specimens, 1992:925 guidelines for, 1992:918–920, 954– 955

handwashing and hand care in, 1992:909–910 in cardiopulmonary resuscitation, 1992:926

in dialysis, 1992:928-929

Human immunodeficiency virus infection (Continued)

in emergency medicine, 1992:929– 930, **933–937**

in head and neck examination, 1992:926

in psychiatric patient, 1992:927 intraoperative, 1992:920–921, 930 isolation procedures in, 1992:921–925 monitoring of control program,

1992:914 patient medical history in, 1992:907– 908

personal protective equipment in, . 1992:912–913

protective coverings in, 1992:911 public health objectives in, 1992:953– 955

rationale for, 1992:902-903 risks to health care workers, 1992:917-918

sharp instrument handling in, 1992:905-906, 1992:911-912

sterilization procedures in, 1992:910– 911, 1992:929–930

testing in, 1992:953–954 training protocol for, 1992:906–914

Universal Precautions Policy in, 1992:903, 1992:930–931

waste disposal procedures for, 1992:906, 911–920

risks of, 1992:968

to health care workers, 1992:917– 918, 934–935, **939–949** routes for, 1992:901–902

vs. procedure invasiveness, 1992:977, 981–989

treatment of, pharmacologic, 1992:857-872

warts in, 1993:267

weight loss in, 1992:873-876

Human papillomavirus, in laser plume, 1992:549–550, 667–668, 774–775 residual, after verruca removal, 1992:667

Human papillomavirus infections. See also Verrucae.

HIV infection and, 1992:843 in elderly persons, 1993:267 warts in, 1993:87

Husni procedure, in venous reconstruction, 1992:105

Hutchinson's melanotic freckle, 1993:91–92 Hydralazine, lupus erythematosus induced by, 1993:153–154

Hydrocephalus, normal pressure, gait disorders from, 1993:163

Hydrocodone, for elderly persons, 1994:47 postoperative, 1992:376–377

Hydrocolloid dressings, for ulcer, 1993:340-341

Hydrocortisone, as injectable, 1992:360 in ulcer treatment, 1993:341-342 Hydrogel dressings, for ulcer, 1993:341

Hydromorphone, for elderly persons, 1994:48

for pediatric patients, 1994:29 Hydrotherapy, for pain, 1994:117-119 in pain relief, 1992:885

Hydroxychloroquine, in rheumatic disease, 1992:336–337

Hyperbaric oxygen therapy, for neuropathic ulcer, 1993:345 Hypercoagulability, deep venous

thrombosis in, 1992:93–94 Hyperglycemia, peripheral vascular disease

and, 1992:129, 132 Hyperhidrosis, in acrocyanosis, 1992:146–

Hyperhidrosis, in acrocyanosis, 1992:146–

in vasospasticity, 1992:142

Hyperkeratosis, in elderly persons, 1993:69-77

callosities, 1993:75–76 heloma, 1993:61, 63, 70–75, 121–122 subungual, 1993:63, 67

treatment of, 1993:121–122 in metatarsophalangeal joint osteoarthritis, 1994:128

in peripheral vascular disease, 1992:121 of nail bed, laser ablation of, 1992:647 vs. tumor, 1993:609

Hyperlipidemia, as peripheral vascular disease risk factor, 1993:206

Hyperpathia, in reflex sympathetic dystrophy, 1994:77

Hyperpigmentation, laser treatment of, 1992:689–690, 693–695

Hypersensitivity, to NSAIDs, 1992:313–314 to tetracyclines, 1992:436
Hypertension, as peripheral vascular

disease risk factor, 1993:207–208 in arteriosclerosis development, 1992:12, 129

in diabetes mellitus, 1992:132–133 Hyperthyroidism, in elderly persons, 1993:26

Hypertrophic arthritis, of metatarsophalangeal joint, 1994:130

Hypertrophic scar, after verruca removal, 1992:667

histopathology of, 1992:571-572 laser surgery in, 1992:626-627

Hypertrophic synovitis, laser surgery in, 1992:749–761

Hyperuricemia, in elderly persons, 1993:148–149

Hypnosis, in pain management, in elderly persons, 1994:51 Hypnotics, for elderly persons, 1994:50
Hypoglycemia, in diabetes mellitus,
1993:234
in hypoglycemic drug therapy, 1992:253
in insulin therapy, 1992:247
Hypoglycemic drugs, 1992:239–255
insulin, 1992:240–249, 316–317
interactions of, 1992:233
sulfonylureas, 1992:249–254, 316–317
Hypothermia, in elderly persons, 1993:15
Hypoxia, in angiogenesis, 1992:189

Ibuprofen, for pediatric patients, 1994:33 in diabetic neuropathy, 1992:267 in postoperative pain, 1994:61
Ice therapy, for compartment syndromes, 1994:600 for musculoskeletal problems, in HIV infection, 1992:886 for postoperative pain, 1994:61–62
Ichthyosis, in elderly persons, 1993:81, 87–88
ICS system, in surgical planning, 1993:540–541, 546
Idarubicin, pharmacology of, 1992:493–494

Ideals, ethical, 1992:965–966 Imaging, in peripheral vascular disease, 1992:57–68. See also Angiography. contrast media complications in, 1992:58

history of, 1992:57–58 phlebography, 1992:65–67 of tumors, algorithm for, 1993:680 bone. See under *Bone tumors*. soft-tissue. See under *Soft-tissue tumors*.

Imidazole antifungal agents, pharmacology of, 1992:278–282

Imipenem, 1992:452–457 adverse effects of, 1992:456 antimicrobial spectrum of, 1992:453–454 clinical uses of, 1992:456–457 dosage of, 1992:454–455 mechanism of action of, 1992:452–453 pharmacokinetics of, 1992:454–455 resistance to, 1992:453

Imipenem-cilastin, in opportunistic infections, 1992:863–864
Imipramine, in diabetic neuropathy,

1992:266, 268–269 Immune response, age-related changes in, 1993:17–18, 250–251 nonspecific, 1993:251–252 specific, 1993:252–254

normal, 1992:327–328

Immunoglobulins, in elderly persons, infection resistance and, 1993:253 Immunomodulatory therapy, in Kaposi's sarcoma, 1992:853
Impact, shoe biomechanics and, 1994:241–

243 ppedance plethysmograph

Impedance plethysmography, in deep venous thrombosis, 1992:96 Implant, computer-aided design of,

1993:553–561 Implant arthroplasty, in diabetes mellitus,

mpiant arthropiasty, in diabetes mellitus 1993:240 in elderly persons, 1993:135

Impotence, in peripheral vascular disease, 1992:6

Incision(s), laser surgery for, 1992:550 Incisional biopsy, in tumor evaluation, 1993:614

Incontinence, in elderly persons, fecal, 1993:11

urinary, 1993:29–30 Indomethacin, for pediatric patients, 1994:33

in diabetic neuropathy, 1992:265-267, 271

in phantom pain, 1994:100 in postoperative pain, 1994:61

Infant(s), HIV infection in, physical therapy for, 1992:892

Infantile digital fibromatosis, epidemiology of, 1993:594

Infections, after arthroscopy, 1994:529-531 after laser surgery, 1992:770-771 heel pain in, 1993:116

in elderly persons, 1993:84–87, 249–269 bacterial, 1993:254–262 fungal, 1993:262–265 in peripheral vascular disease,

1993:243 in ulcers, 1993:245

nonspecific host defenses and, 1993:251-252

normal immune response and, 1993:250–251

specific immune function and, 1993:252–254

viral, 1993:265-267

in peripheral vascular disease, 1992:82–84

in revascularization procedures, 1992:89 laser surgery with, 1992:637–638 lymphedema in, 1992:159–160 skin, clindamycin in, 1992:411 in LIV infection, 1992:837–846

in HIV infection, 1992:837-846 quinolones in, 1992:404

Infiltrative fasciitis (nodular fasciitis), epidemiology of, 1993:594

Inflammation, in healing, 1993:328 Inflammatory response, to laser, 1992:636 Informed consent, on health care worker

HIV status, 1992:986

Infrared radiation, in pain management, 1994:110-111

Ingrown nail, in peripheral vascular disease, 1992:114–115

Injectable drugs, adrenocorticosteroids, 1992:356–362

combined soluble insoluble, 1992:361–362

insoluble, 1992:360-361

pharmacology of, 1992:356-360 soluble, 1992:360

anesthetics, 1992:351-354

fluid factors in, 1992:351 history of, 1992:349-350

pH factors in, 1992:350-351

vasoconstrictive agents, 1992:354–356

Injection therapy, for metatarsalgia, 1994:131–132

myo-Inositol metabolism, in diabetic neuropathy, 1992:260-261

Insole(s), for pressure ulceration, 1994:348–349

Insole layout, in pressure measurement, 1993:408–412

Instruments, for arthroscopy, 1994:457–460, 516. See also Laser(s). failure of, 1994:534–535

for endoscopic plantar fasciotomy, 1994:478

injury from, HIV transmission and, 1992:905–906, 911–912, 918–919, 943–945

sterilization of, in HIV transmission prevention, 1992:909–911, 929–930

Insulin, absorption of, factors affecting, 1992:244–245

complications from, 1992:246–249 interactions of, 1992:316–317 physiologic effects of, 1992:241

preparations of, 1992:241-243 purity of, 1992:243-244

regimens for, 1992:245–246

resistance to, 1992:249

secretion of, 1992:240 sources of, 1992:240-241

storage of, 1992:245

strength of, 1992:244 structure of, 1992:240

Intelligence, age-related changes in, 1993:17, 27-28

Interactions, drug. See under *Drug(s)*. Interactive model of pain, 1994:151 Interdigital clavus, laser surgery in, 1992:623–624

Interdigital (Morton's) neuroma, 1992:671-686, 1994:579-592

compartment syndromes and, 1994:604– 605

diagnosis of, 1994:583-584

histology of, 1994:581 historical aspects of, 1994:579 imaging of, 1994:583

laser surgery in, 1992:554 advantages of, 1992:678–680 case studies in, 1992:684–685 disadvantages of, 1992:675, 678 preparations for, 1992:675

stump neuroma prevention in, 1992:680

technique for, 1992:680-684 pain in, 1994:5

pathogenesis of, 1994:579-580

prevalence of, 1994:580–581 sonographic evaluation of, 1992:672–674

symptoms of, 1992:671–672, 1994:581– 583

treatment of, 1994:584-585 conservative, 1994:584-585

results of, 1994:585–587 surgical approaches to, 1994:587–591 ultrasonography of, 1993:621

Interferential current therapy, in pain management, 1994:170–171

Interferons, in HIV infection, 1992:861 in Kaposi's sarcoma, 1992:853, 870 interactions of, 1992:231

Intermittent claudication, in peripheral vascular disease, 1992:4, 26–28, 80, 1993:188–189

arterial occlusive, 1992:73–74 diabetes mellitus and, 1992:130 pathophysiology of, 1992:27–28 prevalence of, 1992:174

smoking effects on, 1992:168–169 Internal fixation, in elderly persons,

1993:134-135 Interphalangeal joints, arthrodesis of, in stroke-related deformities, 1994:641-

Interpositional arthroplasty, of first metatarsophalangeal joint, 1993:554

Interventional radiology, in peripheral vascular disease, 1992:85–86
In-toed deformities, gait plates for

In-toed deformities, gait plates for, 1994:211–217

Inverted deformity, forefoot, orthosis for, 1994:189–196

Inverted orthosis, indications for, 1994:324-328

prescription for, 1994:328, 333–335 Iontophoresis, in musculoskeletal problems, in HIV infection, 1992:886 in pain management, 1994:119–120, 172–

173 Ischemia, in compartment syndromes, 1994:594, 598-599

Ischemic index, in peripheral vascular disease, 1993:198

Ischemic ulcers, from arterial occlusion, 1993:345-349

Isolation, in HIV transmission prevention, 1992:921-925

Isoniazid, in mycobacterial infections, 1993:255

lupus erythematosus induced by, 1993:153–154

Isoxuprine, in Raynaud's vasospasticity, 1992:145

Isradipine, pharmacology of, 1992:486–487 Itraconazole, in cryptococcosis, 1992:866 in histoplasmosis, 1992:866

in HIV infection, 1992:865-866 interactions of, 1992:231

pharmacology of, 1992:277

Jaw claudication, in elderly persons, 1993:152

Joint(s), age-related changes in, 1993:139 angiogenesis effects on, 1992:193–194 Charcot. See *Charcot foot*.

Charcot: See Charcot job.
function of, computer analysis of, for surgical planning, 1993:552–553
implant for, computer-aided design of,

1993:553–561 infections of, quinolones in, 1992:404–405

laser surgery on, 1992:731-736

arthroscopy, 1992:731-732 cartilage, 1992:731

discectomy, 1992:732, 734 in hypertrophic synovitis, 1992:749–

polymethyl methacrylate removal, 1992:734, 736

synovectomy, 1992:732 tissue welding, 1992:736

pain receptors in, 1994:5

painful, shoe therapy for, 1994:263

Joint disease. See also Gout; Osteoarthritis; Rheumatoid arthritis.

in elderly persons, 1993:137–159 crystal deposition disease, 1993:154 diagnosis of, 1993:140–142 epidemiology of, 1993:138

in malignancy, 1993:154–155 in systemic lupus erythematosus, 1993:152–154

management of, 1993:142–143, 155–158 polymyalgia rheumatica, 1993:151–152 risk factors for, 1993:138–139

types of, 1993:139–140 Joint effusion, after arthroscopy, 1994:533– 534

Joint mice, metatarsophalangeal, 1994:130 Joplin's neuroma, laser surgery in, 1992:554 Jumping, foot biomechanics in, 1994:247 Justice, in medical ethics, 1992:965 Juvenile aponeurotic fibroma, epidemiology of, 1993:593–594

Kaposi's sarcoma, 1992:830, 849–855 cause of, 1992:852 clinical manifestations of, 1992:850–852 clinical studies of, 1992:853–854 cutaneous, 1992:839 diagnosis of, 1992:850–852 differential diagnosis of, 1992:850 epidemiology of, 1992:849–850, 853–854 gastrointestinal, 1992:828 histopathology of, 1992:562–564 in HIV infection, 1993:611 laser surgery in, 1992:606 prognosis for, 1992:853 pulmonary, 1992:825 treatment of, 1992:852–853, 870

treatment of, 1992:852–853, 870 Keller arthroplasty, in elderly persons,

Keloid, histopathology of, 1992:571–572 laser surgery in, 1992:555–556, 626–627 Keratin cyst, bone, differential diagnosis of,

1993:651 Keratinization, 1992:710

in squamous cell carcinoma, 1992:565– 566

Keratoma, in elderly persons, 1993:75-76 plantar, laser surgery in, 1992:555, 699-707

Keratosis, actinic, 1993:88 seborrheic, 1993:88

stucco, histopathology of, 1992:586 Ketanserin, in arterial occlusive disea

Ketanserin, in arterial occlusive disease, 1992:74 Ketoconazole, in HIV infection, 1992:865

in onychomycosis, 1992:867 in paracoccidioidomycosis, 1992:866 interactions of, 1992:229 pharmacology of, 1992:278–281

Ketoprofen, in diabetic neuropathy, 1992:267

Ketorolac, for pediatric patients, 1994:33 in diabetic neuropathy, 1992:267

Kidney, age-related changes in, 1993:11-13, 224

drug clearance in, 1992:219–220 interactions and, 1992:227, 231–232 drug effects on, cephalosporins, 1992:401 NSAIDs, 1992:310–311 opiates, 1992:380

vancomycin, 1992:428 Kinematic gait analysis. See *Dynamic* (kinematic) gait analysis.

Kirby modification, of inverted orthosis, 1994:324, 335 Klippel-Trenaunay-Weber syndrome, port wine stains in, laser treatment of, 1992:690

Knee, biomechanics of, in running, 1994:246

Koebner's phenomenon, in HIV infection, 1992:830

Koenen's fibroma, histopathology of, 1992:573-574

Koilonychia, 1993:67

Krypton fluoride laser surgery, in skin lesions, 1992:611, 688

Laboratory testing, for HIV. See Human immunodeficiency virus infection, testing for.

in tumor evaluation, 1993:613, 718–719 Lambrinudi arthrodesis, in stroke-related deformities, 1994:641–643

Language, age-related changes in, 1993:16 Laser(s), beam delivery systems for, 1992:527–528

energy fluence of, 1992:542

future applications of, 1994:496–497 in ankle arthroscopy, 1994:483–498 for adhesive capsulitis, 1994:490–491 for chondromalacia, 1994:491–494 for fibrous bands, 1994:494–496

for fibrous bands, 1994:494–496 for osteochondritis dissecans, 1994:494 for synovitis, 1994:489–490 historical background of, 1994:484

physics of, 1994:485–487 technique for, 1994:487–488 inflammatory response to, 1992:636

light and, 1992:521-530 physics of, 1992:511-512, 523-525, 540-542, 660

nail pathoanatomy and, 1992:633–635 power density of, 1992:541, 630, 636, 709–710

thermal energy dispersion by, 1992:636 tissue interactions with, 1992:525–527, 531–537, 636

absorption coefficient and, 1992:532-533

assumptions for, 1992:533–534 bone, 1992:721–723 clinical correlation of, 1992:531–532 depth of vaporization, 1992:534, 536–

mass vaporized, 1992:534–535 scattering coefficient and, 1992:532–533

types of, 1992:512, 540, 599-600 Laser surgery, advantages of, 1992:546-548 bloodless field in, 1992:547 char zone in, 1992:660 complications of, 1992:763-779 from plume. See *Plume*. hemorrhage, 1992:768 infection, 1992:770–771 pain, 1992:767–768

recurrence of disorder, 1992:768-769 safety and, 1992:763-766

scar formation, 1992:769-770

thermal injury, 1992:767 costs of, 1992:515, 548–549 disadvantages of, 1992:548–550

education for, 1992:514–555, 764 equipment for, costs of, 1992:515

maintenance of, 1992:515, 764 ethical considerations in, 1992:517–518

for incisions, 1992:550 future trends in, 1992:517

general concepts in, 1992:540–541 hemostasis in, 1992:547, 678–679, 768 in benign lesions, 1992:617–632

in cartilage defects, 1992:739-747 in fibroma, 1992:620-622

in ganglionic cyst, 1992:622

in granuloma, 1992:624–625 in hypertrophic scar, 1992:626–627

in hypertrophic synovitis, 1992:749-761 in interdigital clavus, 1992:623-624

in keloid, 1992:626-627 in lipoma, 1992:625-626

in Morton's neuroma, 1992:671–686 in mucoid cyst, 1992:617–619

in nail pathology, 1992:553–554, **633–657** in nail plate reduction, 1992:647–648 in onychomycosis, 1992:646–647

in peripheral neuroma, 1992:554–555 in plantar fibromatosis, 1992:619 in plantar keratoma, 1992:699–707

in porokeratoma, 1992:699-707 in porokeratoma plantaris discreta, 1992:627-629

in punctata aereata, 1992:622–623 in skin cancer, 1992:599–615 in skin lesions, 1992:555, 687–697 in subungual hematoma, 1992:648 in tattoo removal, 1992:556–557 in tumors, henign, 1992:555–556

in tumors, benign, 1992:555–556 in ulcer treatment, 1992:556, **1993:709**–

in verrucae, 1992:551–553, **659–669** indications for, 1992:512–514 matrixectomy, 1992:641–646, 771 nail pathoanatomy and, 1992:633–635 on bone, 1992:550, **721–737**

infection after, 1992:770-771 on cartilage, 1992:731, 771

on joints, 1992:731–736 in hypertrophic synovitis, 1992:749– 761

optical breakdown in, 1992:722 overlasing in, 1992:653 overview of, 1992:511-519 plasma-cutting in, 1992:722-723 plume in. See Plume. preoperative considerations in, 1992:633-641 age, 1992:634 allergy, 1992:641 diabetes, 1992:634 infection, 1992:634-635 patient attitude, 1992:639, 641 previous trauma/treatment, 1992:639 vascular assessment, 1992:633 principles of, 1992:539-559 professional organizations for, 1992:516 safety in, 1992:516, 540-541, 675, 763-779 plume dangers, 1992:549-550, 667-668, 771-776 spallation in, 1992:723

techniques for, 1992:542, 545 vs. traditional surgery, 1992:545–546

Laserabrasion, definition of, 1992:545

Laser-effected aperture procedure (LEAP),
in onychomycosis, 1992:646–647

Lateral ankle instability, 1994:407–423 diagnosis of, 1994:408–409 mechanisms of, 1994:407–408 treatment of, arthroscopic, 1994:415–421

conservative, 1994:409 surgical, 1994:409–415

Lateral column instability, midstance, orthoses for, 1994:324 Lateral impingement syndrome,

arthroscopy for, 1994:519-520 LEAP technique, in onychomycosis, 1992:646-647

Lee procedure, for lateral ankle stabilization, 1994:410, 1994:413

Leederhose disease, lesion of, histopathology of, 1992:570

Legal issues, in HIV infection. See under Human immunodeficiency virus infection. in malingering behavior, 1994:67–72

Legislation, Congressional, on HIV infection, 1992;989

Leiomyoma, epidemiology of, 1993:596 histopathology of, 1992:579–581 Leiomyosarcoma, epidemiology of,

1993:596 Lentigo maligna, laser surgery in, 1992:606 Leukonychia, 1993:65

Leukopenia, in HIV infection, 1992:833 Leukoplakia, hairy, in HIV infection, 1992:831

Levonordefrin, with local anesthetics, 1992:355

Levorphanol, for elderly persons, 1994:48 Lichen simplex chronicus, 1993:81 Lidocaine, as local anesthetic, 1992:353–354 for pediatric patients, 1994:35 in gout, 1993:149–150 in metatarsalgia, 1994:131–132 in postoperative pain, 1994:58

Ligamentous and Capsular Repair System, for lateral ankle stabilization, 1994:421 Light, description of, 1992:521-523

Limb length discrepancy, gait analysis with, 1993:524-525

shoe therapy for, 1994:265 Lindane, in scabies, 1992:867 Lindsay's pails, 1993:67

Lindsay's nails, 1993:67 Lipedema, vs. lymphedema, 1992:162

Lipedema, vs. lymphedema, 1992:162 Lipid metabolism, corticosteroid effects on, 1992:357

Lipoblastoma, epidemiology of, 1993:595–596

Lipodermatosclerosis, in venous stasis, 1993:336

Lipodystrophy, in insulin therapy, 1992:248 Lipoma, intraosseous, differential diagnosis of, 1993:648

epidemiology of, 1993:588 imaging of, 1993:657

laser surgery in, 1992:625–626 soft-tissue, computed tomography of, 1993:623

epidemiology of, 1993:595–596 Liposarcoma, epidemiology of, bone, 1993:588

soft-tissue, 1993:596

Liquid nitrogen, as adjuvant therapy, in bone tumors, 1993:723

Liss device, for cranial electric stimulation, 1994:169–170

Lissauer, tract of, nociceptive fibers in, 1994:6–7

Lithium, interactions of, 1992:315 Livedo reticularis/annularis/racemosa/ vasculitis, 1992:148–150

Liver, age-related changes in, 1993:11 drug clearance in, 1992:218–219 drug effects on, NSAIDs, 1992:312–313

opiates, 1992:380 drug metabolism in, interactions and,

1992:227
Local anesthetics. See under Anesthesia.
Loeser's model of pain, 1994:150–151
Lotions, in ulcer treatment, 1993:341

Low-voltage microampere stimulation, in pain management, 1994:171–172

Lumbar sympathetic block, in reflex sympathetic dystrophy, 1994:79–81 Lung, age-related changes in, 1993:8–9

disease of, of HIV infection, 1992:822–825 Lymphangiography, 1992:163

Lymphatic system, aging effects on, 1993:189

anatomy of, 1992:152-153 disorders of, evaluation of, 1993:191 Lymphatic system (Continued) laser effects on, 1992:547 lymph composition/flow in, 1992:153–154
Lymphedema, 1992:151–164, 1993:189 anatomic considerations in, 1992:152–153 classification of, 1992:151–152 congenital, 1992:155–156

diagnostic approaches to, 1992:162–163 early development of (lymphedema praecox), 1992:156–157

evaluation of, 1993:191-193 factitious, 1992:159

foreign body, 1992:160

hereditary (Milroy's disease), 1992:155 in minor trauma, 1992:159

infectious, 1992:159–160 lymph composition and flow and, 1992:153–154

neoplastic, 1992:160 neuroplegic, 1992:161 postphlebitic, 1992:160–161 primary, 1992:154–158 secondary, 1992:158–161

simple, 1992:157–158 traumatic, 1992:158–159 treatment of, 1992:163–164

Lymphedema praecox, 1992:156–157 Lymphocytes, age-related changes in,

1993:17–18 infection resistance and, 1993:252–254 CD4+, depletion of, in HIV infection, 1992:821–822, 838

Lymphography, color, 1992:162 Lymphoma, gastrointestinal, in HIV infection, 1992:828

Lymphoscintigraphy, 1992:162

McGill Pain Questionnaire, 1994:18, 139 McGlamry Z-plasty technique, in ankle equinus deformity, 1992:809–810

Macrolides. See also Erythromycin. pharmacology of, 1992:420–421

Madura foot, heel pain in, 1993:116 Maffucci's syndrome, differential diagnosis of, 1993:699

Magnetic resonance imaging, in tumor evaluation, 1993:613

bone, 1993:673, 675–681 clinical applications of, 1993:678–681 technical considerations in, 1993:675, 677–678

vs. computed tomography, 1993:680–681 soft-tissue, 1993:624, 626–631

of ankle joint, 1994:454 of interdigital neuroma, 1994:583 Magnification views, in radiography, 1993:636–637

Malabsorption, in HIV infection, 1992:877 Malignancy. See also specific tumor, e.g., Osteosarcoma.

bone, differential diagnosis of, 1993:683-686

in elderly persons, 1993:25 arthritis associated with, 1993

arthritis associated with, 1993:154-155 cutaneous manifestations of, 1993:87-88

skin, 1993:87-95

laser removal of, 1992:549 in skin, 1992:599-615

physical medicine modalities for, 1993:278

Malignant fibrous histiocytoma, epidemiology of, bone, 1993:587–588 soft-tissue, 1993:595

Malignant melanoma, histopathology of, 1992:582-583

in elderly persons, 1993:92-93 subungual, 1993:63

Malingering behavior, **1994:65–72** case study of, **1994:65–66** causes of, **1994:66–67**

definition of, 1994:65 detection of, 1994:67-68, 71-72

discouraging, 1994:70-71 ease of feigning pain in, 1994:68-70 physician-patient collusion in, 1994:68-

Malnutrition, in elderly persons, pharmacology and, 1993:225–226 in HIV infection, 1992:874–875

Malpractice, in HIV transmission from health care worker, 1992:987

Manipulation, in pain relief, 1992:885–886 Maprotiline, in diabetic neuropathy, 1992:269

Marginal zone, nociceptive fibers in, 1994:8 Masks, in HIV transmission prevention, 1992:905

Massage, for elderly persons, 1993:275 in pain relief, 1992:885–886

Masson lesion, histopathology of, 1992:588 Matrix layout, for pressure measurement, 1993:408

Matrixectomy, laser, 1992:641–647, 771 ablational, 1992:641–643 incisional, 1992:643, 646

subtotal, 1992:647–648 preoperative vascular testing in, 1992:53 Mechanonociceptors, 1994:2–3, 5

Medial fault, in orthosis evaluation, 1994:288–289

Medicaid, 1993:38

Medical history, HIV transmission prevention and, 1992:907-908 Medicamentosa dermatitis, 1993:81–82 Medicare, 1993:36–38, 315–325 administrative impressions of, 1993:317– 318

coverage by, 1993:318-324 history of, 1993:315-317

routine foot care and, 1993:318-324 shoe therapy coverage by, 1994:268

Medullary reticular formation, in nociceptive transmission, 1994:10

Mees' lines, 1993:67

Melanocytes, in melanoma, 1992:582–583 in nevi, 1992:569 laser removal of, 1992:689–690

Melanoma, malignant. See Malignant melanoma.

Memory, age-related changes in, 1993:16-

Meningitis, in HIV infection, 1992:825-826, 845

Meniscoid lesions, of ankle joint, 1994:371–373, 377–381

Mental attitude, of HIV infection, 1992:994-996

toward laser surgery, 1992:639, 641 Mental status, in elderly persons, 1993:15–

disorders of, 1993:27-28

Meperide, for elderly persons, 1994:48 Meperidine, for pediatric patients, 1994:29–30

postoperative, 1992:374, 378

Mepivacaine, as local anesthetic, 1992:354 Mesencephalic reticular formation, in

nociceptive transmission, 1994:10–11 Metabolism, in peripheral vascular disease, exercise effects on, 1992:181

of drugs, 1992:216–220. See also specific drug.

interactions and, 1992:227, 229-231 of elderly persons, pharmacology and, 1993:223-224

Metastasis, lymphedema in, 1992:160 to bone, 1993:611, 719

computed tomography of, 1993:672-673

differential diagnosis of, 1993:713 epidemiology of, 1993:590 scintigraphic appearance of, 1993:663–

to soft tissue, 1993:611, 719

Metatarsal(s), abnormalities of, forefoot inverted/everted deformities in, 1994:190–191

amputation at, shoe therapy for, 1994:264 fifth, orthosis cutout for, 1994:204–205 surgery on, preoperative vascular testing in, 1992:54

Metatarsalgia, in elderly persons, 1993:126

Metatarsophalangeal joint, Charcot disease of, 1994:275

disorders of, in elderly persons, 1993:123-124

first, function of, computer analysis of, 1993:552-553

pain in, 1994:125-132

anatomic aspects of, 1994:129-131 causes of, 1994:125-129

infection therapy for, 1994:131-132

Methadone, for elderly persons, 1994:48 for pediatric patients, 1994:29

Methotrexate, in rheumatic disease, 1992:334–335

interactions of, 1992:231-232, 316

Methylprednisolone, as injectable, 1992:360 Metoclopramide, in diabetic neuropathy, 1992:271

Metronidazole, 1992:430–433 adverse effects of, 1992:432 antimicrobial spectrum of, 1992:431 chemistry of, 1992:430 dosage of, 1992:433 interactions of, 1992:230, 432–433 mechanism of action of, 1992:431 pharmacokinetics of, 1992:431 uses of, 1992:431

Mexiletine, in diabetic neuropathy, 1992:270

Mice, joint, metatarsophalangeal, 1994:130 Michaelis-Menten equation, in drug elimination, 1992:217-218 Microangiopathy, diabetic, 1992:126-128

Microcirculation, vasospasticity of. See Vasospastic disorders.

Micro-EMED System, for pressure measurement, 1993:407-409, 412, 449-451

Microorganisms, antibiotic interaction with. See specific antibiotic, subheads: antimicrobial spectrum of; resistance to.

antibiotic susceptibility of. See specific antibiotic, antimicrobial spectrum of. in ulcer, 1992:714, 718

Microsporon infections, in elderly persons, 1993:263–264

Microvascular disease, in diabetic neuropathy, 1992:260 Midazolam, 1992:475–476

Midfoot, involvement of, in Charcot joint disease, 1994:275–276

Midtarsal joint, control of, 1994:300 locking mechanism of, evaluation of, in orthosis evaluation, 1994:282–284 motion limitation at, shoe therapy for, 1994:263–264

stability of, rearfoot motion and, 1994:299 Milling machine, for orthotics fabrication, 1993:373-374

Milroy's disease, 1992:155

Mineralocorticoids, physiologic effects of, 1992:357–358

Minerals, wound healing and, 1993:330 Mini-EMED System, for pressure measurement, 1993:451–452

Mini-Statak soft tissue attachment device, for lateral ankle stabilization, 1994:421

Misoprostol, with NSAIDs, 1992:310 Mitek GII anchor system, for lateral ankle stabilization, 1994:421

Molded shoes, 1994:261

Molluscum contagiosum, 1993:87 in HIV infection, 1992:830, 869

Mönckeberg's sclerosis, 1993:212 radiology of, 1993:106–107

Monoclonal antibody HA-1A,

pharmacology of, 1992:498–499 Mononeuropathy, diabetic, 1992:257–258

diagnosis of, 1994:550–551 Mononeuropathy multiplex. See Polyneuropathy, multifocal.

Monostotic bone tumors, differential diagnosis of, 1993:683

Morphine, for elderly persons, 1994:48 for pediatric patients, 1994:27–28, 30, 36 postoperative, 1992:373–374

Morton's neuroma. See Interdigital (Morton's) neuroma.

Mosaic wart, 1992:661-662

Moth-eaten appearance, of bone tumors, 1993:639

Motion Analysis System, in gait analysis, 1993:501-527

calcaneus to vertical angle in, 1993:506–507

preparation for, 1993:504–505 procedure for, 1993:505–506 shoe gear effect on, 1993:519–520 tibia to calcaneus angle in, 1993:507 tibia to calcaneus velocity in, 1993:508

tibia to calcaneus velocity in, 1993:508 tibia to vertical angle in, 1993:507–508 walking vs. running, 1993:511–514, 519

with limb length discrepancy, 1993:524-525

with orthosis, 1993:525-526 with pronation, 1993:508-511 with supination, 1993:520, 524

Motor fibers, of peripheral nervous system, anatomy of, 1994:546–547 dysfunction of, diagnosis of, 1994:555.

dysfunction of, diagnosis of, 1994:555, 564

Motor relearning program, in HIV infection, 1992:888–889 Motor unit, components of, 1994:547 evaluation of, 1994:575 Mouth, HIV infection manifestations in, 1992:831

nutrition and, 1992:876-877

Mucoid (synovial) cyst, histopathology of, 1992:592

laser surgery in, 1992:617–619

Multiple myeloma, scintigraphic appearance of, 1993:664

Muscle, atrophy of, in peripheral vascular disease, 1992:121

contractures of, in prolonged compartment syndromes, 1994:598–599 pain receptors in, 1994:4–5

transplantation of, angiogenesis in, 1992:195–197

tumors of, epidemiology of, 1993:596–597

weakness of, in HIV infection, physical therapy in, 1992:891-892

Muscle tension, in phantom pain, 1994:89-90

Musculoskeletal disorders, in elderly persons, 1993:24–25

in HIV infection, physical therapy for, 1992:886–887, 891–892

Mycetoma, heel pain in, 1993:116 Mycobacterial infections, in elderly persons, 1993:254–256 in HIV infection, 1992:866

Mycobacterium avium intracellulare infection, in HIV infection, 1992:825, 828, 843

Myelination, of nerves, pain and, 1994:6-7 Myelopathy, gait disorders in, 1993:165-166

in HIV infection, 1992:826–827, 845 Myofascial release, in pain relief, 1992:887 Myoglobinuria, in arterial occlusive disease, 1992:71

Myokymia, in peripheral neuropathy, evaluation of, 1994:555

Myositis ossificans, epidemiology of, 1993:600

Myxoma, epidemiology of, 1993:601

Naftifine, pharmacology of, 1992:276
Nail(s), ablation of, lasers in, 1992:553–554
angiofibroma under, 1992:573–574
avulsion of, laser, 1992:647
discoloration of, in HIV infection therapy, 1992:845, 859
fungal infections of, 1992:829, 867
HIV infection effects on, 1992:840
in peripheral vascular disease, avulsion
of, 1992:117

dystrophic, 1992:116-117 ingrown, 1992:114-115 inspection of, 1992:10 laser surgery on, 1992:633-657 basic principles of, 1992:633-636 complications of, 1992:648, 653-654 preoperative considerations in. 1992:636-641 research on, 1992:654-655

techniques in. 1992:641-648 training for, 1992:655

of elderly persons, routine care of, Medicare regulations on, 1993:321 pathoanatomy of, 1992:633-635

procedures on, laser surgery in, 1992:513 Nail bed, hyperkeratosis of, laser ablation of, 1992:647

Nail disorders, in elderly persons, 1993:59-

abscess, 1993:61 absence, 1993:59 atrophy, 1993:60, 65 autoavulsion, 1993:59 avulsion, 1993:62-63 congenital, 1993:59-60 contusion, 1993:63 dryness, 1993:60, 66 dystrophic, 1993:64-67 foreign bodies, 1993:63-64 from systemic disease, 1993:67 fungal, 1993:61-62, 264-265 hemorrhage, 1993:63 in peripheral vascular disease, 1993:190 inflammatory, 1993:60-61

pincer, 1993:65 Pseudomonas infection, 1993:259 residual, 1993:59-60 splinter hemorrhage, 1993:64, 67 traumatic, 1993:62-64

verrucous, 1993:61 Nail plate, reduction of, lasers in, 1992:647-

Nail unit, histopathology of, 1992:596-597 Nalbuphine, for elderly persons, 1994:49 Naloxone, as opiate antagonist, 1992:381 Naproxen, for postoperative pain, 1994:61

in diabetic neuropathy, 1992:267 in gout, 1993:150 Narcotics. See Opiates.

Nausea, from narcotics, 1994:32 Necrosis, in prolonged compartment syndromes, 1994:598 zone of, in laser surgery, 1992:548, 767-768

Necrotizing fasciitis, in elderly persons, 1993:262

Necrotizing vasculitis, in elderly persons, 1993:84

Needlestick injury, HIV transmission and, 1992:905-906, 911-912, 918-919, 943-945

Negative cast. See under Cast. Negligence, in HIV transmission from health care worker, 1992:987

Neodymium-yttrium aluminum garnet laser, 1992:512, 540 absorption coefficient of, 1992:532-533

tissue interactions with, 1992:526, 532 Neodymium-vttrium aluminum garnet

laser surgery, arthroscopic, 1992:731-732

in skin cancer, 1992:606-608 in skin lesions, 1992:693, 686 on bone, 1992:722-723

on cartilage, 1992:731 Neonatal abstinence syndrome, from narcotics, 1994:31

Neoplasia. See also Bone tumors: Malionancy: Soft-tissue tumors. angiogenesis in, 1992:192-193

Neoplastic lymphedema, 1992:160 Neovascularization. See Angiogenesis.

Nerve(s), biopsy of, in peripheral neuropathy diagnosis, 1994:566 entrapment of, heel pain in, in elderly persons, 1993:115-116

injury of, in amputation, phantom pain in. 1994:94

in arthroscopy, 1994:526-528 from distraction systems, 1994:505-

laser effects on, 1992:547 physiology of, pain and, 1994:6-7 transcutaneous electric stimulation of, in pain relief, 1992:885 in sensory dysesthesia, 1992:890-891

Nerve block, for elderly persons, 1994:50 for pediatric patients, 1994:37 phenol, for spasticity, in stroke, 1994:637-638

Nerve conduction studies, in heel pain, 1994:620-621 in peripheral neuropathy, 1994:557-562,

572-574 Netilmicin, antimicrobial spectrum of,

1992:445-446 dosage of, 1992:449-451

Neuralgia, in herpes infections, in elderly persons, 1993:266

Neurapraxia, heel pain in, in elderly persons, 1993:115-116

Neurilemoma (schwannoma), 1994:625-631 case report of, 1994:626-631 diagnosis of, 1994:625-626 epidemiology of, 1993:599-600

excision of, 1994:627 histopathology of, 1992:576-577, 1994:630-631

magnetic resonance imaging of, 1993:629

Neurodevelopmental therapy, in HIV infection, 1992:889

Neurofibroma, epidemiology of, 1993:599 Neuroleptics, for elderly persons, 1994:50 Neurologic disorders, in elderly persons,

1993:161–178 brain defects, 1993:163–165 clinical evaluation in, 1993:161–162 degenerative, 1993:167–172 neurovascular, 1993:172–176 peripheral neuropathy, 1993:166–167 spinal cord, 1993:165–166

in ĤIV infection, 1992:825-827, 845-846, 887-892, 927

Neuroma, histopathology of, 1992:577-578 intermetatarsal. See Intermetatarsal (Morton's) neuroma.

laser surgery in, 1992:554–555 plantar, magnetic resonance imaging of, 1993:628

preoperative vascular testing in, 1992:54 recurrence of, after laser treatment, 1992:769

Neuromuscular weakness, shoe therapy for, 1994:263

Neurons, wide-dynamic-range, in reflex sympathetic dystrophy, 1994:76 Neuropathic arthropathy, in elderly

persons, radiology of, 1993:109 Neuropathic foot. See also *Charcot foot*. shoe therapy for, 1994:262, 1994:267

ulceration in. See *Ulceration*, pressure. Neuropathy, compression, in phantom pain, 1994:94

diabetic. See *Diabetic neuropathy*. in elderly persons, ulcer in, 1993:343–345 with diabetes mellitus, 1993:245–246 joint disease in, 1993:239–240 peripheral. See *Peripheral neuropathy*.

peripheral. See Peripheral neuropathy. Neuroplegic lymphedema, 1992:161 Neurotransmitters, in pain, 1994:148–150 Neutropenia, in HIV infection, 1992:833– 834

Neutrophils, in elderly persons, 1993:251– 252

Nevi, histopathology of, 1992:569 Nevus flammeus, histopathology of, 1992:589

Newborn, HIV infection in, physical therapy for, 1992:892

Niacin derivatives, in Raynaud's vasospasticity, 1992:145

Nifedipine, in phantom pain, 1994:100 Night pain, in peripheral vascular disease, 1992:73

diabetes mellitus and, 1992:130 Nilsonne procedure, for lateral ankle stabilization, 1994:410, 412 Nitrazepam, 1992:476 Nitroglycerin, in phantom pain, 1994:100 in Raynaud's vasospasticity, 1992:145 Nociception, definition of, 1994:1

Nociceptive fibers, in peripheral nerves, 1994:6–7

in spinal cord, 1994:7-10 Nociceptive transmission, supraspinal, 1994:10-11

Nociceptors, 1994:2–5, 136, 148, 151 Nocturnal cramps, in peripheral vascular disease, 1993:188–189

Nodular fasciitis, epidemiology of, 1993:594 Nodules, rheumatoid, histopathology of, 1992:587

Nonmalificence, in medical ethics, 1992:965 Nonsteroidal anti-inflammatory drugs, 1992:301–325

adverse effects of, 1992:308-314 dosage of, 1992:317-319 for elderly persons, 1994:46-47 for pediatric patients, 1994:32-33 in acute pain, 1994:153-154 in diabetic neuropathy, 1992:265-266

in postoperative pain, 1992:60–61 interactions of, 1992:231–233, 314–317 intolerance to, 1992:313–314 overdose of, 1992:317–319 pharmacokinetics of, 1992:303–305 pharmacology of, 1992:301–303 response to, 1992:308

therapeutic use of, 1992:306–308 toxicity of, 1994:47 wound healing and, 1993:330 Norepinephrine, with local anesthetics,

1992:355 Norfloxacin, interactions of, 1992:229–231 Nortriptyline, in diabetic neuropathy,

1992:268-269 NSAIDs. See Nonsteroidal anti-inflammatory

Nuclei, in nociceptive transmission, 1994:10–11

Nucleus proprius, nociceptive fibers in, 1994:8

Numerical Rating Scale, for pain assessment, 1994:139

Nursing homes, podiatric services in, 1993:285–296

Nutrition, in HIV infection, **1992:873–881** food preparation methods, 1992:878–879

indications for, 1992:875–878 of elderly persons, healing and, 1993:329–330

peripheral vascular disease risk and, 1993:206 pharmacology and, 1993:225–226

Obesity, as peripheral vascular disease risk factor, 1993:207

Obligations, ethical, 1992:965 Occlusive disease, arterial. See Arterial occlusive disease.

Occlusive dressings, for ulcer, 1993:339–343 Occupational acquisition, of HIV infection, cardiopulmonary resuscitation providers, 1992:926

case studies of, 1992:940–941 compensation in, 1992:978 employment rights in, 1992:977–978,

ethics of. See Human immunodeficiency virus infection, transmission of, ethical considerations in.

in emergency situation, 1992:928–929 legal rights and obligations and, 1992:977–978

pathologists, 1992:925

prevention of. See Human immunodeficiency virus infection, transmission of, prevention of.

procedure after possible exposure, 1992:913–914, 930–931, 940, 957 research on, 1992:941–947

risks of, 1992:939–949, 968 seroconversion documentation in, 1992:940

Occupational exposures, tumors related to, 1993:610-611

Occupational principle, in professionalism, 1992:963

Occupational Safety and Health Administration, regulations on HIV transmission control, 1992:902–903

Occupational therapy, for elderly persons, 1994:51 Ocular manifestations, of HIV infection,

1992:831–832 Ofloxacin, adverse reactions to, 1992:405,

Ofloxacin, adverse reactions to, 1992:405, 482 antimicrobial spectrum of, 1992:403

clinical uses of, 1992:404–405, 482 dosage of, 1992:482 interactions of, 1992:229–231, 405, 482 mechanism of action of, 1992:402 pharmacokinetics of, 1992:403–404 pharmacology of, 1992:481–482 resistance to, 1992:402–403

Older patients. See *Elderly persons*. Olivopontocerebellar atrophy, in elderly persons, 1993:167

Ollier's disease, differential diagnosis of, 1993:698–699

Olsalazine, pharmacology of, 1992:497–498 Omni series, of orthoses, 1993:380–382 Ondansetron, pharmacology of, 1992:496–

Onion-skin appearance, of bone tumor, 1993:642 Onychalgia, 1993:60, 67 Onychauxis, 1993:60, 62, 64 Onychexallis, 1993:60, 61 Onychia, 1993:60 Onychia punctata, 1993:67 Onychia sicca, 1993:60, 66 Onychitis, 1993:60, 66 Onychloclasis, 1993:62 Onychoatrophia, 1993:65 Onychocryptosis, 1993:64-65 Onychodystrophy, 1993:65-66 Onychogryposis, 1993:60, 62, 64 Onycholasis, 1993:66 Onychology. See Nail disorders. Onycholysis, 1993:62-63, 66-67 Onychomadesis, 1993:62, 64, 66 Onychomalacia, 1993:66 Onychomycosis, 1993:60-63, 85 in elderly persons, 1993:264-265 in HIV infection, 1992:829, 840, 867 laser treatment of, 1992:554, 646-648 Onychopathy, diabetic, 1993:60 Onychophopsis, 1993:63 Onychophosis, 1993:66-67 Onychophyma, 1993:61 Onychoptosis, 1993:63, 66 autoavulsion of, 1993:59 Onychorrhexis, 1993:65 Onychoschezia, 1993:62, 66 Onychotrophia, 1993:60 Onychyphemia, 1993:62-64 Opiates, adverse effects of, 1994:49 antagonists for, 1994:156-157 for elderly persons, 1994:47-49

Onychyphemia, 1993:62–64
Dpiates, adverse effects of, 1994:49
antagonists for, 1994:156–157
for elderly persons, 1994:47–49
for pediatric patients, 1994:26–32
administration route for, 1994:26–28
adverse effects of, 1994:31–32
delivery mode for, 1994:30

selection of, 1994:28-30 for postoperative analgesia, 1992:370-377 adverse reactions to, 1992:371-372 antagonists to, 1992:372-373, 381 codeine, 1992:374-375, 378 dosage of, 1992:371-373 formulations for, 1992:371 hydrocodone, 1992:376-377 hydromorphone, 1992:377 mechanism of action of, 1992:370-371 meperidine, 1992:374, 378 morphine, 1992:373-374 oxycodone, 1992:376 pentazocine, 1992:377 propoxyphene, 1992:375-376 in postoperative pain, 1994:61, 156-157

in postoperative pain, 1994:61, 156–157 in reflex sympathetic dystrophy, 1994:81–82

Optical breakdown, in laser surgery, 1992:722

Optical pedobarograph, 1993:463-470

Optical pedobarograph (Continued) technical details of, 1993:463–465 use in diabetic patients, 1993:466–468 use in normal individuals, 1993:466 use in rheumatoid arthritis patients, 1993:468

Optical scanners, for orthotics fabrication, 1993:366-368

Oral hypoglycemic drugs, 1992:249–254 interactions of, 1992:233, 316–317 Oral lesions, in HIV infection, 1992:831

nutritional and, 1992:876–877 Oregon Protocol, in venous stasis ulcer

treatment, 1992:104 OrthoGraphics System, for surgical planning, 1993:539-549 components of, 1993:541-546

overview of, 1993:539–541 Orthopedic shoes, custom. See *Shoes*, therapy with.

OrthoPlan system, 1993:540 Orthosis/orthotics, accuracy of, determination of, 1993:366

evaluation of, gait analysis in, 1993:512– 514, 519, 525–526

fabrication of, 1993:377–392 AMFIT system for, 1993:393–401 Bergmann Foot Scanner for, 1993:363– 375

cohort study of, 1993:382–391 design process for, 1993:372–373 digitization techniques in, 1993:364–

historical review of, 1993:377 image evaluation in, 1993:368-372 image transmission to laboratory in, 1993:371-372

in-office system for, 1993:393–401 local accommodation additions to, 1993:373

manufacturing process for, 1993:373–374

Omni series, 1993:380–381 optical scanner for, 1993:366–368 plastic, 1993:378–380 posting of, 1993:379 replacement. 1993:384–390

systems for, 1993:378 for spasticity, in stroke, 1994:638 functional, 1994:311-337

activity level and, 1994:227 age considerations in, 1994:226–227 ankle deformity compensation in,

1994:193–195 body weight and, 1994:225–226 cuboid filler for, 1994:208–209

development of, 1994:183–210 forefoot deformity identification in, 1994:189–196 neutral subtalar joint position identification in, 1994:184–186 prescription form for, 1994:196–210 rearfoot posting, 1994:186–189 diagnosis and, 1994:225 evaluation of, center of pressure index

evaluation of, center of pressure index in, 1994:353–361

expectations for, 1994:311-312 fifth metatarsal cutout for, 1994:204-205

fillers for, 1994:206–209 foot surgery with, 1994:293 for Charcot foot, 1994:271–278 for forefoot deformities, 1994:189–196, 208

for plantar fasciitis, 1994:314 for pronation control, 1994:201–204 for rearfoot deformities, 1994:185–186,

for running vs. walking, 1994:335 for shock absorption, 1994:313 forefoot posting of, 1994:198–199, 209– 210

function-related changes with, 1994:312-324

gait plates as, 1994:211–217 heel cup height for, 1994:200–201 inverted, indications for, 1994:324–328 prescription for, 1994:328, 333–335 lateral expansion of, at heel, 1994:208 materials for, 1994:220–224

physical properties of, 1994:219–220 selection of, 1994:199–200 patient factors in, 1994:224–228 plantar fascial accommodation in,

1994:206 predicting efficacy of, 1994:279–295 center of pressure index in, 1994:353–361

combined rearfoot axis in, 1994:280– 282

in pediatric patients, 1994:290-291 midtarsal joint locking mechanism in, 1994:282-284

physical examination in, 1994:284– 286

point system for, 1994:291–292 radiographic examination in, 1994:286–289

prescription of, 1994:196-210, 328, 333-335

rearfoot posting of, 1994:186–189, 201– 204

Roberts brace, 1994:233-234 serial, 1994:335

shoe style and, 1994:227-228 styloid process accommodation in, 1994:209

terminology of, 1994:219-220

Thomas heel with, 1994:233 types of, 1994:219-229 Whitman brace, 1994:231-233 Whitman/Roberts brace, 1994:231-239 width of, 1994:204

Oscillometry, in peripheral vascular disease, 1992:14

Osseous equinus deformity, of ankle, 1992:793-794

Osteoarthritis, angiogenesis and, 1992:193-194

in elderly persons, 1993:24, 143-145 management of, 1993:155-158 of metatarsophalangeal joint, 1994:126-

shoe therapy for, 1994:263

Osteoarthrosis, in elderly persons, 1993:143-145

Osteoblastoma, differential diagnosis of, 1993:691

epidemiology of, 1993:586 Osteochondritis, in elderly persons, 1993:260

Osteochondritis dissecans, arthroscopy for, lasers in, 1994:494

Osteochondroma, differential diagnosis of, 1993:651, 700

epidemiology of, 1993:591

Osteochondromatosis, multiple, differential diagnosis of, 1993:701

Osteoid osteoma, differential diagnosis of, 1993:649, 651, 689, 691 epidemiology of, 1993:585

imaging of, 1993:657 scintigraphic appearance of, 1993:662, 665–666

treatment of, 1993:724

Osteomyelitis, after laser surgery, 1992:770–771

in elderly persons, from skin ulcerations, 1993:86

mycobacterial, 1993:255 Pseudomonas, 1993:260 radiology of, 1993:111 staphylococcal, 1993:256–257

streptococcal, 1993:257-258 Osteopenia, in elderly persons, radiology

of, 1993:109-110
Osteophytes, in ankle. See Anterior ankle impingement syndrome.

Osteoporosis, in elderly persons, radiology of, 1993:109–110

in reflex sympathetic dystrophy, 1994:79 physical medicine modalities for, 1993:279

with diabetes mellitus, 1993:236–237 Osteosarcoma, differential diagnosis of, 1993:686

epidemiology of, 1993:586, 601

extraskeletal, epidemiology of, 1993:601 radiography of, 1993:643 treatment of, 1993:724

Osteotomy, lasers in, 1992:550, 728-729, 770-771

Ototoxicity, of vancomycin, 1992:428
Out-toed deformities, gait plates for,
1994:211-217

Overdose, of NSAIDs, 1992:317–319 Overlasing, of nail, 1992:653

Oxycodone, for elderly persons, 1994:47–48 for pediatric patients, 1994:27 postoperative, 1992:376

Oxygen therapy, hyperbaric, in neuropathic ulcer, 1993:345

p24 antigen detection, in HIV testing, 1992:897-898

Padding, felt and foam, for pressure ulceration, 1994:340–351

Pain. See also Intermittent claudication. acute, assessment of, 1994:151–152

definition of, 1994:44 epidemiology of, 1994:147–148 management of, 1994:147–160

after laser surgery, 1992:679, 767–768 amputation stump, 1994:93–95, 102 assessment of acute, 1994:151–152

assessment of, acute, 1994:151–152 chronic, 1994:15–23, 139–140 in elderly persons, 1994:43–44 in malingering, 1994:71–72 in metatarsophalangeal joint, 1994:128–

in reflex sympathetic dystrophy, 1994:76–79

instruments for, 1994:139-140 phantom, 1994:101-102

psychosocial aspects of, 1994:20–23 beliefs affecting, 1994:43

causes of, in elderly persons, 1994:41–42 chronic, 1994:135–145 assessment of, 1994:18, 139–140

definition of, 1994:15, 44, 135–136 diagnostic tools for, 1994:19–20 differential diagnosis of, 1994:16–17 evaluation of, 1994:15–23

history in, 1994:17–18 management of, 1994:140–144 physical examination in, 1994:19 psychophysiologic mechanisms of,

1994:136–139 cognitive component of, 1994:137–138

context of, 1994:137–138 definition of, 1994:1 diagnostic tools for, 1994:19–20 gate control theory of, 1994:148–150 heel. See *Heel pain*. Pain (Continued) nerve entrapment in, 1994:617-624 history in, 1994:44 in reflex sympathetic dystrophy, 1994:77 in compartment syndromes, 1994:594 in elderly persons, assessment of, 1994:43-44 management of, 1994:41-53 in HIV infection, physical therapy for, 1992:884-886 in interdigital neuroma, 1994:581-583 in malingering behavior, 1994:65-72 in neuroma, 1994:5 in pediatric patients, management of, 1994:25-40, 75 in peripheral neuropathy, evaluation of, 1994:554 in peripheral vascular disease, 1992:4, 6, 1993:188-189 arterial insufficiency, 1992:70 arterial occlusion, 1992:73-74 deep venous thrombosis, 1992:94 in reflex sympathetic dystrophy, 1994:73-83 interactive model of, 1994:151 Loeser's model of, 1994:150-151 management of, acute, 1994:147-160 chronic, 1994:140-144 cognitive-behavioral strategies in, 1994:141-142, 155 cold therapy in, 1994:107-108 distraction in, 1994:154-155 electrical modalities in, 1994:119-123, 161-175. See also Transcutaneous electrical nerve stimulation. heat therapy in, 1994:108-117 hydrotherapy in, 1994:117-119 in elderly persons, 1994:41-53 in metatarsophalangeal joint, 1994:125in pediatric patients, 1994:25-40 in reflex sympathetic dystrophy, 1994:80-82 intraoperative, 1994:58-59 patient-controlled analgesia in, peripheral transduction reduction in, 1994:153-154 phantom, 1994:97-103 physical modalities in, 1994:107-123 postoperative, 1994:55-64, 156-157 preoperative, 1994:57-58

meaning of, 1994:137-138

56-57, 148-151

modulation of, 1994:11-12, 137 neuroanatomy of, 1994:1-13

pathophysiology of, 1992:369, 1994:42,

in reflex sympathetic dystrophy, perception of, in elderly persons, 1994:42-43 phantom limb, 1994:85-106 postoperative, 1994:55-64, 156-157 management of. See Analgesics. psychological factors in, chronic, 1994:136-139 phantom, 1994:96-97, 1994:102 psychophysiologic mechanisms of, chronic, 1994:136-139 receptors for, 1994:2-5 referred. See also Phantom pain. reflexes associated with, 1994:7-8 Pain and spasm syndrome, in vancomycin therapy, 1992:428 Pallor, in arterial insufficiency, 1992:70 Palma procedure, in venous reconstruction, 1992:105 Pancreas, HIV infection effects on, 1992:832 Papaverine, in Raynaud's vasospasticity, 1992:145 Paracoccidioidomycosis, in HIV infection, 1992:866 Paraffin bath, in pain management, 1994:113 Paralysis, in arterial insufficiency, 1992:70 in compartment syndromes, 1994:595 neuroplegic lymphedema in, 1992:161 Paraneoplastic syndromes, cutaneous manifestations of, 1993:87-88 Paratenon, characteristics of, 1992:801-802 Paresthesia, in arterial insufficiency, 1992:70 in compartment syndromes, 1994:595 Parkinsonism, 1993:168-172 gait disorders in, 1993:164 Paronychia, 1993:60 in elderly persons, 1993:259, 264 laser surgery with, 1992:637-638 Parotec System, for pressure measurement, 1993:407-409, 412 Patch angioplasty, in peripheral vascular disease, 1992:87 Pathology, HIV transmission from tissue specimens, 1992:925 Patient education, 1993:311-313 in diabetes mellitus, 1993:236 Patient-controlled analgesia, 1994:157 Patient-controlled anesthesia, 1992:381 PEAK Rearfoot Clinical Assessment System, for gait analysis, 1993:529-538 Pediatric patients, drug use in, benzodiazepines, 1992:474 NSAIDs, 1992:308 postoperative analgesics, 1992:377–378

topical steroids, 1992:291

gait plates for, 1994:211-217

HIV infection in, physical therapy for, 1992:892

orthoses for, 1994:226

efficacy of, 1994:290-291

pain management in, 1994:25-40 alpha-2 agonists in, 1994:33-34 anticonvulsants in, 1994:34 local anesthetics in, 1994:34

narcotics in, 1994:26-32

nerve block in, 1994:37 nonsteroidal anti-inflammatory drugs in, 1994:32–33

regional anesthetics in, 1994:34-37 tricyclic antidepressants in, 1994:34 reflex sympathetic dystrophy in, 1994:75 Pediculosis, in HIV infection, 1992:829-830

Pedobarography, in ulcer evaluation, 1993:344

optical. See Optical pedobarograph. Pedoport System, for pressure

measurement, 1993:453 PEL-38 Electronic Podometer, for gait analysis, 1993:417-429 dynamic, 1993:423-429

sensors in, 1993:420-421 static, 1993:421-423

Pelite, for orthosis, 1994:224 Penicillamine, in rheumatic disease, 1992:337–338

Penicillin(s), 1992:385–396 adverse reactions to, 1992:395–396 antimicrobial spectrum of, 1992:388–393 beta-lactamase inhibitors with, 1992:387–

beta-lactamase inhibitors with, 1992: 391, 393 dosages of, 1992:394 half-lives of, 1992:393–395 mechanism of action of, 1992:386

mechanism of action of, 1992:386 penicillinase resistant, 1992:392 pharmacokinetics of, 1992:393–395 resistance to, 1992:386–387

Pentamidine, side effects of, 1992:862 Pentazocine, for elderly persons, 1994:49 postoperative, 1992:377

Pentoxifylline, in diabetic neuropathy, 1992:270–271

in peripheral vascular disease, 1992:74 with diabetes, 1992:133–134

in ulcer treatment, 1993:341 in vascular disease, 1992:864

Percussion test, in peripheral vascular disease, 1992:15

Percutaneous electrical nerve stimulation, in pain management, 1994:167-169

Periosteal reactions, in bone tumors, 1993:642–643

Periosteal scorching, in laser surgery, 1992:653

Periosteal tumors, 1993:649 Periostitis, after laser surgery, 1992:771 Peripheral nervous system, definition of, 1994:546

neuroanatomy of, 1994:546–549 autonomic fibers, 1994:548–549 motor fibers, 1994:546–547 sensory fibers, 1994:547–548

Peripheral neuroma, laser surgery in, 1992:554–555

Peripheral neuropathy, acute, diagnosis of, 1994:562–563

chronic, diagnosis of, 1994:563 classification of, 1994:549–553 diabetic, 1992:258–259

diabetic, 1992:258–259 diagnosis of, 1994:545–569 anatomic aspects of, 1994:546–549 classification and, 1994:549–553 confirmatory testing in, 1994:565–567 differential, 1994:562–565 electrophysiologic, 1994:556–562, 571–

symptoms and signs, 1994:553–556 fiber-length dependent, diagnosis of, 1994:562–563

gait disorders in, 1993:166–167 heel pain in, 1994:617–624 in compartment syndromes, 1994:593–

in dideoxycytidine therapy, 1992:860 in HIV infection, 1992:827, 846, 870 in neurilemoma, 1994:625–631 in stroke, 1994:635–654

in tarsal tunnel syndrome, 1994:609-616 interdigital (Morton's) neuroma,

1994:579–592 multifocal, diagnosis of, 1994:562–564 subacute, diagnosis of, 1994:563 vs. central nervous system lesion,

1994:549 Peripheral vascular disease, angiogenesis and, 1992:185–202

arterial blood flow evaluation in, 1992:19-56

arterial occlusive disease, 1992:69–77 atherosclerosis in. See under Atherosclerosis.

blood flow changes in, 1992:21 blood flow characteristics in, 1992:20-22 blood pressure changes in, 1992:20-21 clinical presentation of, 1992:80-84, 176-177

in acute arterial occlusion, 1992:70-71 in chronic arterial occlusion, 1992:72-

in venous disease, 1992:94–95 collateralization in, 1992:21–22 diabetes and. See under Diabetes mellitus. diagnosis of, 1992:109–110 history in, 1992:26–27 in acrocyanosis, 1992:147

interventional radiology in, 1992:85-86

Pernicious anemia, gait disorders in,

Peroneal nerve, superficial, injury of, in arthroscopy, 1994:528

1993:165

lymphatic, 1992:151-164

Peripheral vascular disease (Continued)

in acute arterial occlusion, 1992:70-71

venous insufficiency, 1993:190-191,

with diabetes mellitus, 1993:240-243

venous stasis, 1993:335-343

in chronic arterial occlusion, 1992:72nail care in, 1992:114-117 pathogenesis of, 1992:126-127, 141, 174in livedo reticularis, 1992:149 in vasospastic disorders, 1992:143-144 pathophysiology of, 1992:127-129 in venous disease, 1992:95-97 in acrocyanosis, 1992:146-147 invasive imaging in, 1992:57-68 in livedo reticularis, 1992:148-149 diseases associated with, 1992:1-2 pedal occlusive disease, 1992:24 etiology of, in arterial occlusion, 1992:69physical examination in. See under Physi-70, 72 cal examination. exercise and. See under Exercise. podiatric care in, diagnosis in, 1992:109footwear in, 1992:111-114 healing ability prediction in, 1992:29-31 footwear for, 1992:111-114 history in, 1992:2-7, 15, 26-27, 176 of nails, 1992:114-117 in elderly persons, 1993:205-219 of skin, 1992:117-122 aneurysm, 1993:213-214 physical examination in, 1992:110-111 arterial embolism, 1993:212-213 prevalence of, 1992:174 arterial ischemic ulcer in, 1993:345-349 risk factors for, 1992:6-7, 28-29, 93-94, arterial thrombosis, 1993:213 arteriosclerosis, 1993:209-210 signs and symptoms of, 1992:130-131 arteriosclerosis obliterans, 1993:201sites of involvement in, 1992:177 202, 211-212, 346-347 skin care in, 1992:117-122 atherosclerosis, 1993:210-211 smoking and, 1992:6-7, 111, 129, 165-171 diabetes mellitus and, 1993:208 surgery in, 1992:79-90 erythromelalgia, 1993:215 preoperative testing in, 1992:52-55, evaluation of, 1993:187-203 84-86 Doppler studies in, 1993:198-200, testing in, 1992:84-86. See also Angiogra-347-348 phy; Photoplethysmography; Plethyshistory in, 1993:188-189 mography. inspection in, 1993:189-191 ankle/brachial pressure index in, palpation in, 1993:191-193 1992:38-44 plethysmography in, 1993:200-202 Doppler studies in, 1992:36-38, 42, 44 segmental systolic pressure in, exercise, 1992:28, 40-42 1993:197-198 five-minute reactive hyperemia test in, stress testing in, 1993:193-194 1992:32-34 thermography in, 1993:196-197 general considerations in, 1992:19-20 thermometry in, 1993:194-196 in vasospastic disorders, 1992:144 lesions in, treatment of, 1993:241-243 preoperative, 1992:52-55, 84-86 Mönckeberg's medial calcific sclerosis, treatment of, exercise in, 1992:173-184 1993:212 in acrocyanosis, 1992:148 in acute arterial occlusion, 1992:71-72 pharmacologic considerations in, 1993:223 in chronic arterial occlusion, 1992:74physical medicine modalities in, in livedo reticularis, 1992:149 1993:280 pulse in, 1993:191-192 in Raynaud's vasospasticity, 1992:144-Raynaud's phenomenon, 1993:214-215 Raynaud's syndrome, 1993:190, 214 in venous disease, 1992:97-99, 105 risk factors for, 1993:206-209 surgical. See under Surgery. skin changes in, 1993:191, 194-197 vasospastic, 1992:139-150 thrombophlebitis, 1993:189, 199-200, venous, 1992:91-108 imaging in, 1992:65-67 202, 216 varicose veins, 1993:216 Periungual ulceration, 1993:64-65 vasoconstrictive, 1993:214 Permeative destruction, in bone tumors, venous disorders in, 1993:215-216 1993:639

Peroneal spastic flatfoot, orthosis for, 1994:197-198

Perthes test, in peripheral vascular disease, 1992:15

Pes valgo planus, Roberts brace for, 1994:233–234

Whitman brace for, 1994:232–233 Petichiometer, in peripheral vascular disease, 1993:194

Petren's gait, 1993:274

Petrissage, in pain relief, 1992:887

Phalanx, radiologic abnormalities of, in elderly persons, 1993:101–102

Phantom pain, 1994:85-106 anxiety effects on, 1994:96-97

compression neuropathy in, 1994:94 environmental factors in, 1994:94–95, 102 limb use and, 1994:95

physiologic correlates of, 1994:86–94 prevention of, 1994:99

psychological factors in, 1994:96–97, 102 residual limb problems in, 1994:93–94

treatment of, acute, 1994:100-101 burning, 1994:102-103 chronic, 1994:101-103 cramping, 1994:103

historical aspects of, 1994:97–100 intractable, 1994:103

mechanism-based, 1994:99–100 preventive, 1994:99, 101

traditional approach to, 1994:97–99 types of, 1994:86–93

burning-tingling-throbbing, 1994:86–88, 102–103

cramping-squeezing, 1994:89–90, 103 shocking-shooting, 1994:90

Pharmacodynamic interactions, of drugs, 1992:227–228, 232–233

Pharmacologic considerations, in elderly persons, 1993:221–230 autonomic nervous system, 1993:225 cellular changes, 1993:222–223 central nervous system, 1993:225 circulatory system, 1993:223 dietary status, 1993:225–226 drug binding sites, 1993:224–225 gastrointestinal system, 1993:223

metabolism, 1993:11-13, 223-224 psychosocial changes, 1993:226-227 renal function, 1993:224

skin, 1993:227–228 Pharmacology and pharmacokinetics, 1992:211–221

absorption, 1992:212–215, 225–226, 228– 229

antianxiolytics, 1992:465–479 antiarthritic drugs, 1992:327–348 antibiotics. See specific antibiotic. antifungal agents. See Antifungal agents. benzodiazepines, 1992:465–479 bioavailability, 1992:212–215

corticosteroids, 1992:285-299, 329-331 injectable, 1992:356-362

diabetic neuropathy drugs, 1992:257-274 distribution, 1992:215-216

drug interactions. See Drug(s), interactions of.

elimination, 1992:216–220 hepatic clearance, 1992:218–219 interactions and, 1992:227 hypoplycemic drugs, 1992:233, 239.

hypoglycemic drugs, 1992:233, **239–255**, 316–317

injectable drugs, 1992:349–363 local anesthetics, 1992:349–363 metabolism, 1992:216–220 models for, 1992:220–221 narcotics, 1992:365–383

new drugs, 1992:481-501 NSAIDs. See Nonsteroidal anti-inflammatory drugs.

postoperative analgesics, 1992:365–383 preoperative injectable drugs, 1992:349–

renal clearance, 1992:219-220, 227, 231-232

sedatives, 1992:465–479 steroids. See Corticosteroids.

topical formulations, 1992:270, 285–299 Phenol, as adjuvant therapy, in bone

tumors, 1993:723–724
injection of, for spasticity, 1994:637–638
Phentolamine, in sympathetic block, in reflex sympathetic dystrophy, 1994:79

Phenylbutazone, overdose of, 1992:318 Phenylepinephrine, with local anesthetics, 1992:355

Phenytoin, in diabetic neuropathy, 1992:268, 270

Phlebography, 1992:65–67 complications of, 1992:66–67 in deep venous thrombosis, 1992:95 indications for, 1992:65 techniques for, 1992:65–66

Phleboliths, in elderly persons, 1993:107 Phonophoresis, in musculoskeletal problems, in HIV infection, 1992:886

Photocell plethysmography, 1993:201 Photocoagulation, definition of, 1992:542,

Photodermatitis, 1993:82 Photodynamic therapy, in skin cancer,

1992:608-610 Photoplethysmography, in peripheral vascular disease, 1993:347

deep venous insufficiency, 1992:103 in skin ulceration, 1992:49 vasospastic vs. organic disease,

1992:47-49

Photoplethysmography (Continued) volume, 1992:52

waveforms in, 1992:45-47 in venous stasis, 1993:337

Photosensitizers, in photodynamic therapy, of skin cancer, 1992:608-610

Physical conditioning, in chronic pain, 1994:143–144

Physical examination, in peripheral vascular disease, 1992:1–17, 32–34, 110–111, 176–177

arterial tests in, 1992:13-14

blood pressure measurement in, 1992:7 funduscopic examination in, 1992:8 in vasospastic disorders, 1992:143–144 inspection in, 1992:8–13

patient evaluation in, 1992:1–2 pulse evaluation in, 1992:8 vascular history in, 1992:2–7

vascular history in, 1992:2-7 venous tests in, 1992:14-15

Physical medicine, for elderly persons, 1993:271–283

Bruno-Helfand technique for, 1993:280-282

cold therapy in, 1993:275 electrical stimulation in, 1993:275–276, 280–282

evaluation for, 1993:273-274 exercise in, 1993:276, 281-282

goals of, 1993:271–272 heat therapy in, 1993:275, 280–282 indications for, 1993:274

indications for, 1993:274 massage in, 1993:275

philosophy of, 1993:273 timing of, 1993:272

ultraviolet radiation in, 1993:275 whirlpool in, 1993:274-275

with amputated leg, 1993:278

with arthritis, 1993:277 with cancer, 1993:278

with hemiplegia, 1993:276-277

with hip fracture, 1993:278

with osteoporosis, 1993:279 with postpolio syndrome, 1993:278–

with surgical procedures, 1993:279 with vascular disease, 1993:280

Physical modalities, in pain management, 1994:107–123

cold. 1994:107-108

electrical. See Electrical modalities; Transcutaneous electrical nerve stimulation.

heat, 1994:108-117

hydrotherapy, 1994:117-119

Physical therapy, for elderly persons, 1994:50–51

in HIV infection, 1992:883-893 aquatic therapy, 1992:890 Brunnstrom treatment, 1992:890 for central nervous system disorders, 1992:887–892

for muscle weakness, 1992:891–892 for musculoskeletal problems,

1992:886-887

for pain syndrome, 1992:884–886 for sensory dysesthesia, 1992:890–891 historical review of, 1992:883–884

in newborn, 1992:892 motor relearning program, 1992:888–

neurodevelopmental therapy, 1992:889 positioning, 1992:890 Rood techniques, 1992:889

Pigeon-toed deformities, gait plates for, 1994:211–217

Pigmented villonodular synovitis, of tarsal bones, case study of, 1993:729-734 treatment of, 1993:722-723

Pincer nail, 1993:65

Piroxicam, in diabetic neuropathy, 1992:267 overdose of, 1992:318

Pitting edema, in peripheral vascular disease, 1993:192

Planning, surgical. See Surgical planning. Plantar arch, neurilemoma of, 1994:625–631 Plantar fascia, accommodation for, in orthosis, 1994:206

Plantar fasciitis, functional orthosis for, 1994:314

Plantar fasciotomy, endoscopic, 1994:469-481

anatomic considerations in, 1994:473-

476 complications of, 1994:479–480 instrumentation for, 1994:478

literature review on, 1994:469–472 one-portal approach to, 1994:472–473 postoperative management in,

1994:477 results of, 1994:480

technique for, 1994:476

two-portal approach to, 1994:472-473

Plantar fibromatosis, epidemiology of, 1993:593

histopathology of, 1992:570

in elderly persons, with diabetes mellitus, 1993:240

laser surgery in, 1992:619

Plantar keratoma, history of, 1992:699 laser surgery in, 1992:555, **699–707** patient selection for, 1992:699–700

results of, 1992:705–706 technique for, 1992:700–705

Plantar nerve, entrapment of, heel pain in, in elderly persons, 1993:115-116 lateral, first branch to, entrapment of, heel pain in, 1994:617-624 Plantar neuroma, magnetic resonance imaging of, 1993:628

Plantar warts. See also Verrucae. in elderly persons, 1993:267

Plantaris muscle, anatomy of, 1992:783-786 Plantaris tendon, anatomy of, 1992:786

Plasma-cutting, in laser surgery, 1992:722–723

Plasmacytoma, bone, imaging of, 1993:659 Plaster, total contact, for pressure ulceration, 1994:339–340, 348

Plastics, for orthosis, 1994:220–224 physical properties of, 1994:219–220 selection of, 1994:199–200

Plastizote, for orthosis, 1994:223-224 for Charcot foot, 1994:275-276

Platelet aggregation, in diabetic neuropathy, 1992:261

NSAID effects on, 1992:312 Platelet-derived growth factors, in ulcer treatment, 1993:342

Platelet-derived wound healing formula, 1992:191–192

Plates, gait, for angle-of-gait problems, 1994:211-217

Platform layout, in pressure measurement, 1993:408-412

PLDL laser, in skin lesion treatment, 1992:692-693

Plethysmography. See also Photoplethysmography.

impedance, in deep venous thrombosis, 1992:96

in acrocyanosis, 1992:147 in deep venous insufficiency, 1992:103 in peripheral vascular disease, 1993:200–

in Raynaud's vasospasticity, 1992:144 Plume, in laser surgery, bacteria in,

1992:774 chemical byproducts in, 1992:774 particle size of, 1992:772

safety considerations in, 1992:549–550, 667–668, 771–776

Pneumocystis carinii pneumonia, in HIV infection, 1992:823, 825

Podagra, 1993:148

Podiatric services, in long-term care facilities, 1993:285–296

Podometer, electronic, for gait analysis, 1993:417-429

Polio, shoe therapy for, 1994:263 Polyarthritis, in malignancy, 1993:155 Polyethylene, for orthosis, 1994:221 Polymerase chain reaction, in HIV testing,

1992:898 Polymethylmethacrylate, as adjuvant therapy, in bone tumors, 1993:724 removal from joints, lasers in, 1992:734, 736

Polymyalgia rheumatica, in elderly persons, 1993:151–152

Polymyositis, in HIV infection, 1992:870 Polyneuropathy, distal symmetric, 1992:258–259

fiber length-dependent, diagnosis of, 1994:551-552

mixed, 1994:548-549

multifocal, diagnosis of, 1994:552-553, 561

Polyostotic bone tumors, differential diagnosis of, 1993:683 Polypropylene, for orthosis, 1994:221 Polyurethane films, for ulcer, 1993:340

Polyurethane foam, for orthosis, 1994:224 Ponalrestat, in diabetic neuropathy, 1992:263-265

Popliteal aneurysm, 1993:214 Porokeratoma, laser surgery in, 1992:699– 707

Porokeratosis plantaris discreta, histopathology of, 1992:593–594

laser surgery in, 1992:627–629 Port wine stain, histopathology of, 1992:589 laser treatment of, 1992:690, 693–695

Positioning, for radiology, in elderly persons, 1993:99

in HIV infection, 1992:890

Positive cast. See under Cast. Posterior column degeneration, gait disorders in, 1993:165–166

Posting, of orthosis, 1993:379 forefoot, 1994:198–199, 209–210 rearfoot, 1994:186–189

Postoperative analgesics. See under Analgesics.

Postoperative pain, 1994:55-64 management of, 1994:156-157 in intraoperative period, 1994:58-59 in preoperative period, 1994:57-58 individual considerations in, 1994:62-

surgical technique and, 1994:58-59 physiology of, 1994:56-57

Postphlebitic lymphedema, 1992:160–161 Postphlebitic syndrome, skin appearance in, 1992:119

Postpolio syndrome, physical medicine modalities for, 1993:278–279

Posture, limb, in elderly persons, 1993:276 Potassium iodide, in sporotrichosis, 1992:866

Potassium-titanyl-phosphate yttrium aluminum garnet laser surgery, 1992:540

discectomy, 1992:732, 734 in tumor, 1992:555

Power density, of lasers, 1992:541, 630, 636, 709-710

Prednisolone tebutate, as injectable, 1992:360

Prednisone, in giant cell arteritis, 1993:152 in gout, 1993:150 in peripheral neuropathy, 1992:870

in polymyalgia rheumatica, 1993:152 Pregnancy, benzodiazepine use in, 1992:470–471

Premedication, in postoperative pain management, 1994:57–58

Presbyesophagus, 1993:9-10

Prescription, of orthosis, 1994:196–210 calcaneal bisection line, 1994:196–197 custom modifications, 1994:204–205 forefoot correction reference level, 1994:198–199

forefoot posting, 1994:209–210 heel cup height, 1994:200–201 inverted, 1994:328, 333–335 material selection, 1994:199–200 negative cast instructions, 1994:196– 198

positive cast modifications, 1994:198– 199, 205–209

pouring position, 1994:197–198 rearfoot posting, 1994:201–204 width, 1994:204

Pressure, center of, in orthosis evaluation, 1994:353–361

Pressure measurement, 1993:403-415, 478-479

case studies of, 1993:458–460 data transfer in, 1993:412 EMED System for, 1993:407–409, 412, 445–454

F-Scan System for, 1993:407-409, 412, 455-461

hardware for, 1993:412 in compartment syndromes, 1994:595-

598 in diabetic patients, 1993:466—468 in normal individuals, 1993:466 in rheumatoid arthritis patients, 1993:468

insole layout for, 1993:408–412 optical pedobarograph in, 1993:463–470 Parotec System for, 1993:407–409, 412 platform layout for, 1993:408–412

practicability of, 1993:413 principles of, 1993:409–412 reproducibility of, 1993:413–414 requirements for, 1993:404–405

resolution in, 1993:405–408 sampling frequency in, 1993:412

software for, 1993:412 user friendliness in, 1993:413

with Electrodynogram System, 1993:432-437 Pressure ulcers. See *Ulceration, pressure*. Prilocaine, as local anesthetic, 1992:354 Probenecid, in gout, 1993:151

interactions of, 1992:232, 317

Procainamide, lupus erythematosus induced by, 1993:153–154

Procaine, as local anesthetic, 1992:353 Prochlorperazine, in diabetic neuropathy, 1992:271

Procuren, in ulcer treatment, 1993:342 in wound healing, 1992:192

Professional organizations, for laser surgery, 1992:516

Professionalism, treating HIV-infected patients. See Human immunodeficiency virus infection, ethical considerations in.

Progressive supranuclear palsy, gait disorders in, 1993:165

Pronation, excessive, gait analysis with, 1993:508–511

orthoses for, contact, 1994:317 midstance, 1994:317 propulsive, 1994:324

rearfoot posting for, 1994:201–204 speed of, in running, shoe effects on, 1994:247–249

Propoxyphene, for elderly persons, 1994:47 postoperative, 1992:375–376

Proprioception, in elderly persons, 1993:162 Proprioceptive neuromuscular facilitation, in musculoskeletal problems, 1992:889,

Prostaglandin(s), in pain physiology, 1994:4 in skin inflammation, 1992:711

Prostaglandin inhibitors, NSAIDs as, 1992:301-303

Prosthesis, joint, computer-aided design of, 1993:553–561

Protective equipment, in HIV transmission prevention, 1992:904–905, 912–913

Protein(s), drug binding to, 1992:215–216 interactions and, 1992:226 glycosylation of, in diabetic neuropathy,

1992:260
metabolism of, corticosteroid effects on,

1992:357
Protein C, deep venous thrombosis and,

1992:93–94
Protein S, deep venous thrombosis and,

1992:93–94

Protein 5, deep venous thrombosis and 1992:93–94

Proteint dine in dishetic neuronathy

Protriptyline, in diabetic neuropathy, 1992:269

Proudflesh, laser surgery in, 1992:624–625 Pruritus, in elderly persons, 1993:80–81 in HIV infection, 1992:867

"Ps" of arterial insufficiency, 1992:70 Pseudoequinus deformity, of ankle,

1992:796-797

Pseudogout, in elderly persons, with diabetes mellitus, 1993:238-239

Pseudomembranous colitis, in clindamycin therapy, 1992:412

Pseudomonas aeruginosa infections, in elderly persons, 1993:258–260

Pseudosarcomatous fasciitis (nodular fasciitis), epidemiology of, 1993:594 Pseudothrombophlebitis, in HIV infection, 1992:845

Psoriasis, in HIV infection, 1992:829, 840, 868-869

Psychiatric disorders, in HIV infection, 1992:826, 845, 927

Psychological approaches, to pain management, for elderly persons, 1994:51-52

Psychological factors, in chronic pain, 1994:136–139

in HIV infection, 1992:994–996 in phantom pain, 1994:96–97, 102 in reflex sympathetic dystrophy, 1994:76,

Psychosocial assessment, in chronic pain, 1994:20–23

Psychosocial status, of elderly persons, pharmacology and, 1993:226-227

Psychotropic agents, in diabetic neuropathy, 1992:266, 268

Pterygium, 1993:66

Public health considerations, in HIV infection, 1992:951–959 objectives of, 1992:953–955

regulatory issues in, 1992:955-958 transmission of, routes of, 1992:952

Pulmonary complications, of HIV infection, 1992:822–825 Pulmonary edema, in arthroscopy, 1994:535

Pulmonary embolism, in deep venous thrombosis, 1992:99–101

Pulmonary function, age-related changes in, 1993:8-9

Pulse(s), in compartment syndromes, 1994:595

in peripheral vascular disease, 1992:8, 1993:191–192, 200–202

Pulsed electromagnetic therapy, in pain management, 1994:172

Pulselessness, in peripheral vascular disease, 1992:70, 81 Pump, venous mechanical, in venous

stasis, 1993:338–339 Punctata aereata, laser surgery in,

Punctata aereata, laser surgery in, 1992:622–623

Puncture wound, Pseudomonas infection of, 1993:260

Purpura, in elderly persons, 1993:84 Pyogenic granuloma, laser treatment of, 1992:690, 692 Quinolones, 1992:401–405 adverse reactions to, 1992:405 antimicrobial spectrum of, 1992:403 clinical indications for, 1992:404–405 interactions of, 1992:229–231, 405 mechanism of action of, 1992:402 pharmacokinetics of, 1992:403–404 resistance to, 1992:402–403

Radiation, dermatitis from, 1993:82-83 Radiography, in orthosis evaluation, 1994:286-289

in subtalar joint axis determination, 1994:303–307

in tumor evaluation, 1993:612-613, 718-719

advantages of, 1993:635 bone, 1993:633–653 cortical erosions in, 1993:642 criteria in, 1993:635–636 destruction patterns in, 1993:637–640 differential points in, 1993:647–651 disadvantages of, 1993:635 film for, 1993:636 growth rate in, 1993:641 lesion size and shape in, 1993:641 location within bone, 1993:643, 645–647

magnification views for, 1993:636–637 matrix appearance in, 1993:641 periosteal reaction in, 1993:642–643 septation pattern in, 1993:641 trabeculation pattern in, 1993:641 views for, 1993:635

of Charcot foot, 1994:273

Radiology, interventional, in peripheral vascular disease, 1992:85–86

of aging foot, 1993:97-112 age-related abnormalities in, 1993:101-105

in arthritis, 1993:107-109 in endocrine disorders, 1993:110

in infection, 1993:111 in metabolic bone disease, 1993:109-

in trauma, 1993:111 pathologic abnormalities in, 1993:106-

positioning for, 1993:99 radiation protection in, 1993:100 safety precautions in, 1993:98–99 sensory difficulties in, 1993:98

sensory difficulties in, 1993:98 technical considerations in, 1993:98– 101

Radionuclide angiogram, in bone tumors, 1993:661 Radionuclide scintigraphy, in bone tumors, 1993:659, 661–665
clinical applications of, 1993:663–665
decreased activity in (cold spot), 1993:664–665
increased activity in (hot spot), 1993:663
isoactivity in, 1993:664
technical considerations in, 1993:661, 663

663
Radiotherapy, in bone tumors,
preoperative, 1993:684
in Kaposi's sarcoma, 1992:870
in soft-tissue tumors, complications from,
1993:721
Ramipril, pharmacology of, 1992:490–491

Ranitidine, interactions of, 1992:230 Rash, drug-induced, 1993:81-82 Raynaud's phenomenon, in elderly persons, 1993:214-215

Raynaud's syndrome, in elderly persons, 1993:190, 214

Raynaud's vasospasticity, 1992:142–146 diagnosis of, 1992:143–144 pathophysiology of, 1992:142–143 types of, 1992:142

Reactive hyperemia test, in peripheral vascular disease, 1992:32–34

Rearfoot, axes of, 1994:297–298 biomechanics of, 1994:297–300 components of, 1994:297

involvement of, in Charcot joint disease, 1994:276–277 motion of, 1994:298

surgery on, Achilles tendon, 1992:781– 812

in posterior muscle group dysfunction, 1992:781–812 preoperative vascular testing in,

1992:54 valgus deformity of, identification of,

1994:186 orthosis for, 1994:197

varus deformity of, identification of, 1994:185–186

orthosis for, 1994:197, 208 Rearfoot axis, combined, in orthosis evaluation, 1994:280-282

Rearfoot posting, of orthosis, 1994:186-189, 201-204

Receptors, pain, 1994:2-5

"Red man's syndrome," in vancomycin therapy, 1992:427–428 Referred pain. See *Phantom pain*.

Reflex(es), evaluation of, in peripheral neuropathy, 1994:550-551 pain, 1994:7-8

Reflex sympathetic dystrophy, 1994:73–83 after arthroscopy, 1994:528–529 after laser surgery, 1992:768 causes of, 1994:75
clinical features of, 1994:77
course of, 1994:75–76
definition of, 1994:74
diagnosis of, 1994:76–79
factors associated with, 1994:74
historical aspects of, 1994:73
in pediatric patients, 1994:75
mechanism of, 1994:76
prevention of, 1994:82
prognosis for, 1994:79
stages of, 1994:75–76
treatment of, 1994:80–82
kehabilitation, physical medicine in

Rehabilitation, physical medicine in. See Physical medicine.

Reiter's syndrome, heel pain in, 1993:116 in HIV infection, 1992:832, 870

Relaxation techniques, in pain management, 1994:142 in elderly persons, 1994:51

Replacement arthroplasty, of first metatarsophalangeal joint, computer analysis of, 1993:554

Resistance, bacterial. See specific antibiotic, resistance to.

Respiratory depression, from narcotics, 1994:31–32

Respiratory system, age-related changes in, 1993:8-9 Rest, for postoperative pain, 1994:61-62

in compartment syndromes, 1994:600 Rest pain, in peripheral vascular disease, 1992:28, 73, 80–81

diabetes mellitus and, 1992:130 Reticular formations, in nociceptive transmission, 1994:10–11

Retinal examination, in peripheral vascular disease, 1992:8

Retinitis, cytomegalovirus, in HIV infection, 1992:832

Retinoids, in psoriasis, 1992:869 Retrograde filling test, biphasic, in peripheral vascular disease, 1992:14-15

Revascularization procedures, in arterial occlusive disease, 1992:74–75, 87–89

Reverse Roberts plate, for angle-of-gait problems, 1994:214

Rhabdomyosarcoma, 1993:741–746 case report of, 1993:743–744 diagnosis of, 1993:742 epidemiology of, 1993:596–597, 741–742 historical aspects of, 1993:741

treatment of, 1993:742 Rheumatic disease, drugs in. See Antiarthritic drugs.

in elderly persons, with diabetes mellitus, 1993:236–238

Rheumatoid arthritis, 1992:328-329

in elderly persons, 1993:145–146 heel pain in, 1993:117 management of, 1993:155–158 radiology of, 1993:108 pressure measurement in, 1993:468

shoe therapy for, 1994:262 Rheumatoid nodule, histopathology of,

1992:587 RICE therapy, in compartment syndromes, 1994:600

in musculoskeletal problems, in HIV infection, 1992:886

in postoperative pain, 1994:61–62

Rifampin, in mycobacterial infections, 1993:255–256 interactions of, 1992:231

interactions or, 1992:231

Risk management, ADAM software use in, 1993:574

Roberts brace, 1994:233-234

Roberts plate, reverse, for angle-of-gait problems, 1994:214

Rocker bottom deformity, in Charcot joint disease, 1994:275

orthosis function and, 1994:290 Rocker bottom shoe, biomechanics of, 1994:250-251

for joint motion limitation, 1994:263 Rohadur, substitutes for, 1994:222

Rood techniques, in HIV infection, 1992:889 Rotation, shoe biomechanics and, 1994:243– 245

Roxithromycin, pharmacology of, 1992:420 Rubber compositions, for orthosis,

1994:223-224 Ruby laser, in skin lesion treatment, 1992:610-611, 695-696

Running, shoe biomechanics in. See Shoes, biomechanics of.

vs. walking, in gait analysis, 1993:511– 514, 519

Safety, in laser surgery, 1992:516, 540–541, 675, 763–779
plume dangers, 1992:549–550, 667–668

plume dangers, 1992:549–550, 667–668 in radiology, in elderly persons, 1993:98– 100

Salicylates, in diabetic neuropathy, 1992:267

Saliva, HIV transmission in, 1992:926 Salsalate, in diabetic neuropathy, 1992:267 Samuel's elevational test, 1993:193

in peripheral vascular disease, 1992:13 Saphenous nerve, injury of, in arthroscopy,

1994:528 Saprophyte infections, in elderly persons, 1993:265 Sarcoma. See also specific type, e.g., Angiosarcoma; Fibrosarcoma; Liposarcoma.

clear cell, epidemiology of, 1993:602 dermatofibrosarcoma protuberans, epidemiology of, 1993:595

epithelioid, epidemiology of, 1993:602 Ewing's. See *Ewing's sarcoma*.

hemangiopericytoma, case study of, 1993:735-739

Kaposi's. See Kaposi's sarcoma. in HIV infection, 1993:611 osteogenic. See Osteosarcoma.

synovial, computed tomography of, 1993:623

epidemiology of, 1993:598–599 Sargramostim, pharmacology of, 1992:491–

492 Scabies, in HIV infection, 1992:829-830 treatment of, 1992:867

Scalded-skin syndrome, in elderly persons,

Scalpel, injury from, HIV transmission and, 1992:905–906

Scanners, optical, for orthotics fabrication, 1993:366-368

Scar, formation of, after laser surgery, 1992:667, 769-770

hypertrophic, histopathology of, 1992:571-572

laser surgery in, 1992:626–627 Scattering coefficient, of lasers, 1992:532– 533

SCH-39304, pharmacokinetics of, 1992:866 Schwannoma. See *Neurilemoma*.

Scintigraphy, in bone tumors, 1993:659, 661–665

clinical applications of, 1993:663–665 decreased activity in (cold spot), 1993:664–665

increased activity in (hot spot), 1993:663

isoactivity in, 1993:664

technical considerations in, 1993:661, 663

in lymphedema, 1992:162

Scopulariopsis brevicaulis, in nail infections, 1992:867

Screw fixation, in arthroscopic fusion, 1994:400-402

Seborrheic dermatitis, in HIV infection, 1992:829, 868

Seborrheic keratosis, 1993:88

Secretan's syndrome, 1992:159 Sedatives. See also Benzodiazepines.

for elderly persons, 1994:50 Seed corns (punctata aereata), laser surgery

in, 1992:622–623 Segmental plethysmography, 1993:201 Segmental systolic pressure, in peripheral vascular disease, 1993:197-198

Seldinger technique, in angiography, 1992:59-60

Semiocclusive dressings, for ulcer, 1993:339-343

Senile medial calcinosis, 1993:212 Senility, vs. dementia, 1993:27

Sensory dysesthesia, in HIV infection, physical therapy in, 1992:890-891

Sensory fibers, of peripheral nervous system, anatomy of, 1994:547-548

Sensory function, age-related changes in, 1993:14-15

Sensory nerve action potentials, assessment of, in peripheral neuropathy, 1994:557-561, 572-573

Sensory symptoms and signs, in peripheral neuropathy, 1994:554-555, 564-567 Septation, in bone tumors, 1993:641

Septic arthritis, after arthroscopy, 1994:530-

after laser surgery, 1992:771 in elderly persons, 1993:256-258

Serial modifications, to orthoses, 1994:335 Serotonin, in pain transmission, 1994:137

Sesamoiditis, in elderly persons, 1993:125 Sgarlato Z-Plasty technique, in ankle

equinus deformity, 1992:805-806 Shock, shoe biomechanics and, 1994:241-

attenuation of, 1994:245-247

Shocking pain, in phantom limb, 1994:90 Shoes, biomechanics of, 1994:241-258

body-shoe-surface interactions, 1994:254-255

flexibility, 1994:251-253 heel counter, 1994:253-254

impact, 1994:241-243

last shape, 1994:254

midsole considerations, 1994:245-249 rocker soles, 1994:250-251

rotations, 1994:243-245 shock attenuation, 1994:245-247

soles, 1994:245-251

traction, 1994:254 computer-aided design and manufacture of, 1993:472

cushioning of, biomechanics of, 1994:245-247

custom insoles for, for pressure ulceration, 1994:348-349

effect on rearfoot motion, 1993:519-520 flexibility of, biomechanics of, 1994:251-

foot bridge for, 1994:248 for neuropathic ulcer, 1993:344

healing, for pressure ulceration, 1994:339-340

heel counter of, biomechanics of, 1994:253-254

high-heel, orthotics fabrication for, 1993:372

in peripheral vascular disease, 1992:111-

last shape of, biomechanics of, 1994:254 midsole of, biomechanics of, 1994:245-

orthopedic, Medicare regulations on, 1993:320

orthoses design compatible with, 1994:227-228

rocker soles for, biomechanics of, 1994:250-251

soles of, biomechanics of, 1994:245-251 therapy with, 1994:259-270

aesthetics of, 1994:260

computer-aided design and manufacture of, 1994:269

cost of, 1994:266

custom orthopedic shoes, 1994:261, 267-268

depth-inlay, 1994:261

foot shape and size variations and, 1994:266-267

for amputation within foot, 1994:264 for Charcot foot, 1994:273-278

for deformities, 1994:262

for excessive joint motion control, 1994:263-264

for joint immobilization, 1994:263 for limb length discrepancy equalization, 1994:265

for limited hand dexterity, 1994:265-

for neuromuscular weakness, 1994:263 for neuropathic ulceration, 1994:262,

for swelling accommodation, 1994:264-265

future trends in, 1994:270 indications for, 1994:259

Medicare coverage of, 1994:268

molded, 1994:261

objectives of, 1994:262-266 patient history of, 1994:261

regular shoe gear evaluation and, 1994:260

shoe selection for, 1994:266-267 style of, 1994:266

types of, 1994:261 traction properties of, biomechanics of, 1994:254

Shooting pain, in phantom limb, 1994:90 Short-wave diathermy, in pain

management, 1994:114-115

Silver nitrate, in hyperkeratosis treatment, 1993:122

Silver sulfadiazine, for pressure ulceration, 1994:343, 345

Silverskiumold procedure, in ankle equinus deformity, 1992:802-803

Silverskiumold test, in ankle equinus deformity, 1992:803

Skin, age-related changes in, 1993:14, 79-80, 82

arterioles of, vasospasticity of, in livedo reticularis, 1992:148-150

care of, in Charcot foot, 1994:274-275 in peripheral vascular disease, 1992:117-122

dryness of, in HIV infection, 1992:867 histopathology of, 1992:710-712

inspection of, in peripheral vascular disease, 1992:8-13 surgery on, preoperative vascular testing

in, 1992:55

temperature of, measurement of, 1993:194-197

Skin cancer, laser surgery in, 1992:599-615 argon, 1992:603, 606

carbon dioxide, 1992:600-603 copper vapor, 1992:611

dye, 1992:612 excimer, 1992:611-612

gold vapor, 1992:611 neodymium-yttrium aluminum garnet

laser, 1992:606-608 ruby, 1992:610-611

with photosensitizers, 1992:608-610

Skin disorders. See also Skin cancer; Soft tissue lesions; Ulceration.

fibrous histiocytoma, 1993:595 in elderly persons, 1993:79-95 bacterial infections, 1993:85-86

cancer, 1993:87-93 Corynebacterium in, 1993:260-261

dermatitis, 1993:80-83 eczema, 1993:80-83

fungal infections, 1993:84-85, 262-265

hematologic, 1993:83-84 host defenses and, 1993:251

hyperkeratosis. See Hyperkeratosis. malignancy, 1993:87-95

melanoma, 1993:91-93

mycobacterial, 1993:255

necrotizing vasculitis, 1993:84 normal aging changes and, 1993:79-80

pharmacologic considerations in, 1993:227-228

photodermatitis, 1993:82

Pseudomonas, 1993:259-260 purpura, 1993:84

radio dermatitis, 1993:82-83 saprophytes in, 1993:265

staphylococcal, 1993:256-257 stasis dermatitis, 1993:83-84

streptococcal, 1993:258

ulcers, 1993:83-84

vascular, 1993:83-84

viral infections, 1993:86-87, 266 with diabetes mellitus, 1993:243-245

xanthoma, 1993:94 xerosis, 1993:80-82

in health care workers, HIV transmission and, 1992:910

in HIV infection, 1992:829-831, 839-845 in peripheral vascular disease, 1993:190-191, 194-197

infections, clindamycin in, 1992:411

quinolones in, 1992:404 laser surgery in, 1992:555, 687-697

argon, 1992:689-690, 692 copper vapor, 1992:693-694

dye, 1992:694-695 excimer, 1992:688-689

gold vapor, 1992:695 helium-neon, 1992:695

neodymium-yttrium aluminum garnet laser, 1992:686, 693

PLDL, 1992:692-693 ruby, 1992:695-696

Smoking, as peripheral vascular disease risk factor, 1993:207

atherosclerosis and, 1992:166

peripheral vascular disease and, 1992:6-7, 111, 165-171

antismoking interventions for, 1992:169-170

Buerger's disease, 1992:168 diabetes mellitus and, 1992:129, 132,

167-168 intermittent claudication in, 1992:168-

natural history of, 1992:166

Socks, in peripheral vascular disease, 1992:113-114

Soft-tissue lesions. See also Skin disorders; specific lesion.

histopathology of, 1992:561-598 angiofibroma, 1992:573-574 basal cell carcinoma, 1992:567-568

cavernous hemangioma, 1992:590 eccrine poroma, 1992:575

glomus tumor, 1992:591 granulation tissue, 1992:591

hypertrophic scar, 1992:571-572

Kaposi's sarcoma, 1992:562-564 keloid, 1992:571-572 keratosis, 1992:586

leiomyoma, 1992:579-581

malignant melanoma, 1992:582-583

Masson lesion, 1992:588 neurilemoma, 1992:576-577

neuroma, 1992:577-578

nevi, 1992:569

Soft-tissue lesions (Continued)
plantar fibromatosis, 1992:570
plantar wart, 1992:583–585
porokeratosis plantaris discreta,
1992:593–594
port wine stain, 1992:589
rheumatoid nodule, 1992:587
squamous cell carcinoma, 1992:565–
566
synovial cyst, 1992:592
in ankle joint, 1994:371–383. See also Adhesive lesions.

fibrous bands, 1994:374–381 meniscoid lesions, 1994:371–373, 377– 381

laser surgery in, 1992:513-514 Soft-tissue tumors, adipose, epidemiology of, 1993:595

angiography in, 1993:619 angiolipoma, epidemiology of, 1993:595– 596

angiosarcoma, epidemiology of, 1993:598 benign fibrous histiocytoma, epidemiology of, 1993:595

bone-forming tissue, epidemiology of, 1993:600-601

calcification of, 1993:621

calcifying aponeurotic fibroma, epidemiology of, 1993:593–594

cartilage-forming tissue, epidemiology of, 1993:600–601

chondroma, epidemiology of, 1993:600–601

chondrosarcoma, epidemiology of, 1993:601 classification of, 1993:720

classification of, 1993:720 clear cell sarcoma, epidemiology of, 1993:602

computed tomography in, 1993:621, 623–624, 673 dermatofibrosarcoma protuberans, epi-

demiology of, 1993:595 diagnosis of, rhabdomyosarcoma,

1993:742 epidemiology of, 1993:591–602

adipose, 1993:595 angiolipoma, 1993:595–596 angiosarcoma, 1993:598

benign fibrous histiocytoma, 1993:595 bone-forming tissue, 1993:600–601

calcifying aponeurotic fibroma, 1993:593–594 cartilage-forming tissue, 1993:600–601 chondroma, 1993:600–601

chondroma, 1993:600–601 chondrosarcoma, 1993:601 clear cell sarcoma, 1993:602

dermatofibrosarcoma protuberans, 1993:595

distribution patterns in, 1993:591-592

epithelioid sarcoma, 1993:602 fibrohistiocytic, 1993:595 fibrosarcoma, 1993:594 fibrous, 1993:593-594 ganglion cyst, 1993:601-602 giant cell, 1993:598 glomus, 1993:597 hemangioendothelioma, 1993:597-598 hemangioma, 1993:597 infantile digital fibromatosis, 1993:594 leiomyoma, 1993:596 leiomyosarcoma, 1993:596 lipoblastoma, 1993:595-596 lipoma, 1993:595-596 liposarcoma, 1993:595-596 malignant fibrous histiocytoma, 1993:595

muscle tissue, 1993:596–597 myositis ossificans, 1993:600 myxoma, 1993:601 neurilemmoma, 1993:599 neurofibroma, 1993:599 nodular fasciitis, 1993:594 osteosarcoma, 1993:601 peripheral nerve, 1993:599–600 plantar fibromatosis, 1993:593 rhabdomyosarcoma, 1993:596–597, 741–742

/41-/42 schwannoma, 1993:599–600 synovial sarcoma, 1993:598–599 synovial tissue, 1993:598–599 tendon sheath fibroma, 1993:594 vascular, 1993:597–598 epithelioid sarcoma, epidemiology of,

1993:602 evaluation of, 1993:609–616, 717–718. See also Soft-tissue tumors, imaging of. biopsy in, 1993:613–614, 719 computed tomography in, 1993:613 laboratory tests in, 1993:613, 718–719 magnetic resonance imaging in, 1993:613

patient history in, 1993:610–611 physical examination in, 1993:611–612 radiography in, 1993:612–613 failure to diagnosis, 1993:609–610 fibrohistiocytic, epidemiology of,

1993:595 fibrosarcoma, epidemiology of, 1993:594 fibrous, epidemiology of, 1993:593–594 fibroxanthoma, magnetic resonance imaging of, 1993:630–631

aging of, 1993:630–631 ganglion cyst, computed tomography of, 1993:623

epidemiology of, 1993:601–602 giant cell, epidemiology of, 1993:598 glomus, epidemiology of, 1993:597 hemangioendothelioma, epidemiology of, 1993:597–598 hemangioma, angiography of, 1993:619 computed tomography of, 1993:623 epidemiology of, 1993:597

hemangiopericytoma, case study of, 1993:735-739

imaging of, 1993:617-632 angiography in, 1993:619 computed tomography in, 1993:621, 623-624

magnetic resonance, 1993:624–631 radiography in, 1993:612–613 ultrasonography in, 1993:612, 619–621 xeroradiography in, 1993:618–619

infantile digital fibromatosis, epidemiology of, 1993:594

Kaposi's sarcoma, in HIV infection, 1993:611

leiomyoma, epidemiology of, 1993:596 leiomyosarcoma, epidemiology of, 1993:596

lipoblastoma, epidemiology of, 1993:595–596

lipoma, computed tomography of, 1993:623

epidemiology of, 1993:595-596

liposarcoma, epidemiology of, 1993:595–596

magnetic resonance imaging in, 1993:624–631

malignant fibrous histiocytoma, epidemiology of, 1993:595

metastatic, 1993:611, 1993:719

Morton's neuroma, ultrasonography of, 1993:621

muscle, epidemiology of, 1993:596–597 myositis ossificans, epidemiology of, 1993:600

myxoma, epidemiology of, 1993:601 neurilemmoma, epidemiology of, 1993:599

neurofibroma, epidemiology of, 1993:599 nodular fasciitis, epidemiology of, 1993:594

osteosarcoma, epidemiology of, 1993:601 peripheral nerve, epidemiology of, 1993:599–600

plantar fibromatosis, epidemiology of, 1993:593

plantar neuroma, magnetic resonance imaging of, 1993:628

postoperative care in, 1993:724–725 radiography in, 1993:612–613, 718–719 recurrence of, 1993:722, 724–725

resection of, 1993:719–723 rhabdomyosarcoma, 1993:741–746 epidemiology of, 1993:596–597

schwannoma, epidemiology of, 1993:599–600 magnetic resonance imaging of, 1993:629

spinal cord, gait disorders in, 1993:165 staging of, 1993:718-719

synovial tissue, computed tomography of, 1993:623

epidemiology of, 1993:598-599

tendon sheath fibroma, epidemiology of, 1993:594

treatment of, 1993:717-725 rhabdomyosarcoma, 1993:742 surgical margins for, 1993:719-721,

723-724 ultrasonography in, 1993:612, 619-621 vascular, epidemiology of, 1993:597-598 xeroradiography in, 1993:618-619

Software, anatomic. See ADAM software. Soles, shoe, biomechanics of, 1994:245–251 Soleus muscle, anatomy of, 1992:783 function of, 1992:790

Somatostatin analogue, in HIV-related diarrhea, 1992:878

Sorbinil, in diabetic neuropathy, 1992:263– 264

Sorbitol metabolism, in diabetic neuropathy, 1992:260-261

Spallation, in laser surgery, 1992:723 Spastic equinus deformity, ankle, 1992:792

Spasticity, in stroke, 1994:637–638, 640–643 of blood vessels. See *Vasospastic disorders*. Spinal cord, age-related changes in,

1993:166 degeneration of, in HIV infection, 1992:826–827

disorders of, gait abnormalities in, 1993:165-166

nociceptive fibers in, 1994:7–10, 149–150 Spinal cord (dorsal column) stimulation, in pain management, 1994:81, 169

Spinomesencephalic tract, nociceptive fibers in, 1994:9–10

Spinoreticular tract, nociceptive fibers in, 1994:9-10

Spinothalamic tract, nociceptive fibers in, 1994:10

Splinter hemorrhage, subungual, 1993:64, 1993:67

Split anterior tibial tendon procedure, for stroke-related deformities, 1994:639

Spondylotic myelopathy, gait disorders in, 1993:165

Sporotrichosis, in HIV infection, 1992:841–842, 866

Sports, orthosis design for, 1994:227 Sprain, of lateral ankle ligaments. See

Lateral ankle instability.

Spur, subungual, 1993:63 Squamous cell carcinoma, histopathology of, 1992:565–566 Squamous cell carcinoma (Continued) of skin, 1993:88-90

Squeezing pain, in phantom limb, 1994:89-

Staging, of tumors, 1993:718-719 Staphylococcal infections, in elderly

persons, 1993:85-86, 256-257 Stasis, dermatitis, 1993:83-84

Static gait analysis, PEL-38 Electronic Podometer for, 1993:421-423

Steele-Richardson-Olszenuski syndrome, gait disorders in, 1993:165

Sterilization, of instruments, in HIV transmission prevention, 1992:909-911, 929-930

Steroids. See Corticosteroids.

Stimulation active exercise, in elderly persons, 1993:275

in pain management, 1994:121-123 Stockings, in lymphedema, 1992:163 in peripheral vascular disease, 1992:113-

114 in venous stasis, 1992:104, 1993:338 Stomach, age-related changes in, 1993:10 Strayer procedure, in ankle equinus

deformity, 1992:803-804 Streptococcal infections, in elderly persons,

1993:85-86, 257-258 Streptococcal pyrogenic exotoxin, 1993:257

Streptolysins, 1993:257 Stress, as peripheral vascular disease risk factor, 1993:207

Stress fractures, in elderly persons, 1993:237-238

Stress testing, in peripheral vascular disease, 1993:193-194

Stroke, 1994:635-654

epidemiology of, 1994:635-636 foot manifestations of, case report on, 1994:639-643

clinical presentation of, 1994:636-637 treatment of, nonsurgical, 1994:637-638

surgical, 1994:638-639 gait disorders in, 1993:163, 172-176 neuromuscular weakness in, shoe therapy for, 1994:263

pathophysiology of, 1994:636 Stryker unit, in compartment syndrome

pressure measurement, 1994:597-598 Stucco keratosis, histopathology of, 1992:586

Stump pain, 1994:93-95, 102 Styloid process, accommodation for, in orthosis, 1994:209

Subcutaneous fibromatosis (nodular fasciitis), epidemiology of, 1993:594 Subdural hematoma, chronic, gait

disorders from, 1993:163

Subluxation, treatment of, Medicare regulations on, 1993:321

Subpapillary venous plexus filling time, 1993:194

Subsidiarity, principle of, 1992:971 Substance P, in pain physiology, 1994:4 Substantia gelatinosa, nociceptive fibers in,

Subtalar joint, arthroscopic fusion of, 1994:395-406

patient selection for, 1994:405 postoperative care in, 1994:403, 405 principles of, 1994:396 techniques for, 1994:397-403

axis of, 1994:297-298

determination of, 1994:301-310 method for, 1994:302-307 on cadaver specimens, 1994:301-302 radiography in, 1994:302-307 results of, 1994:307-309

biomechanics of, 1994:184-186 motion limitation at, shoe therapy for, 1994:263-264

neutral position of, identification of, 1994:184-186

pronation of, shoe biomechanics and, 1994:244-245

Subungual disorders, abscess, 1993:61 chondroma, 1993:63

exostosis, 1993:63 heloma, 1993:63

hematoma, 1993:64 laser treatment of, 1992:648

hemorrhage, 1993:63-64 hyperkeratosis, 1993:63, 67 melanoma, 1993:63 spur. 1993:63

Sucralfate, interactions of, 1992:229 Sudomotor Axon Reflex Test, 1994:78 Sufentanil, for pediatric patients, 1994:27 Sulfadiazine, in paracoccidioidomycosis, 1992:866

Sulfasalazine, in rheumatic disease, 1992:337

Sulfonylureas, interactions of, 1992:316-317 pharmacology of, 1992:249-254

Sulindac, in diabetic neuropathy, 1992:265-

Sunburst pattern, in bone tumors, 1993:643 Supination, excessive, gait analysis with, 1993:520, 524

orthoses for, contact, 1994:317 propulsive, 1994:324

Sural nerve, anatomy of, 1992:788-789 injury of, in arthroscopy, 1994:528

Surgery, in elderly persons. See under Elderly persons. physical medicine program with,

1993:279

in peripheral vascular disease, 1992:79-

amputation, 1992:86 deep venous thrombosis, 1992:105 graft infection in, 1992:89 lymphedema, 1992:163-164 preoperative testing in, 1992:52-55, 84-86

strategies for, 1992:87-89 venous insufficiency, 1992:104-105 vs. nonsurgical treatment, 1992:86 with diabetes, 1992:88-89, 134

Surgical planning, ADAM software use in, 1993:567

computer graphics in, 1993:551-576 for implant design, 1993:553-561 for joint function and treatment alternatives, 1993:552-553 gait analysis in, 1993:479

OrthoGraphics System for, 1993:539-549 Sweating, excessive. See Hyperhidrosis. in reflex sympathetic dystrophy, 1994:78

in vasospasticity, 1992:142 Swelling, in Charcot joint disease, 1994:272-273

shoe therapy for, 1994:264-265 Swimming pool granuloma, 1993:255 Symes amputation, shoe therapy for, 1994:264

Sympathectomy, in Raynaud's vasospasticity, 1992:145-146, 1993:215 Sympathetic block, in reflex sympathetic dystrophy, 1994:79-81

Sympathetic nervous system, reactions of, in vasospasticity, 1992:141-142

Synovectomy, lasers in, 1992:732 Synovial (mucoid) cyst, histopathology of, 1992:592

laser surgery in, 1992:617-619 Synovial fistula, in arthroscopy, 1994:533 Synovial impingement syndrome,

arthroscopy for, 1994:519 Synovial sarcoma, computed tomography of, 1993:623

epidemiology of, 1993:598-599 Synovitis, arthroscopy for, lasers in, 1994:489-490

hypertrophic, laser surgery in, 1992:749-

pigmented villonodular, case study of, 1993:729-734

of tarsal bones, case study of, 1993:729-734 treatment of, 1993:722-723

Systemic lupus erythematosus, in elderly persons, 1993:152-154 heel pain in, 1993:117

T lymphocytes, in elderly persons, infection resistance and, 1993:252–254

Tactile sensation, age-related changes in, 1993:15

Tailor's bunion, in elderly persons, 1993:127

Talocalcaneal joint, resection of, in fusion, 1994:396

Talocrural joint, adhesive lesions of, 1994:385-394

> anterior central zone, 1994:390, 392 anterior lateral zone, 1994:388-389 anterior medial zone, 1994:392 arthroscopy of, 1994:387-392 complications of, 1994:392-393

clinical diagnosis of, 1994:386-387 radiography of, 1994:386-387 types of, 1994:385-386

Talo-cuboid angle, measurement of, in orthosis evaluation, 1994:287

Talofibular ligaments, reconstruction of, 1994:410-411

repair of, 1994:411, 415, 417-421 Talus, fusion of. See Subtalar joint, arthroscopic fusion of.

tumors of, treatment of, 1993:723-724 Tarsal bones, pigmented villonodular synovitis of, case study of, 1993:729-

734 tumors of, 1993:646-647

Tarsal coalition, in elderly persons, radiology of, 1993:111

Tarsal tunnel syndrome, 1994:609-616 diagnosis of, 1994:609-610

in elderly persons, with diabetes mellitus, 1993:246 neuroanatomy of, 1994:613-616

surgical treatment of, soft-tissue mass removal in, 1994:613 technique for, 1994:610-613

Taste, age-related changes in, 1993:15 Tattoo removal, laser surgery in, 1992:556-

557, 611, 692, 696 Technetium 99m scan, of ankle joint, 1994:454

of bone tumor, 1993:661

Teeth discoloration, from tetracyclines, Telangiectasia, in HIV infection, 1992:845

laser surgery in, 1992:555, 690 Temocillin, antimicrobial spectrum of, 1992:391

Temperature, of skin, in peripheral vascular disease, 1992:9-10

Temporal arteritis, in elderly persons, 1993:24-25, 152

Tendinitis, in elderly persons, with diabetes mellitus, 1993:240

Tendo calcaneus. See Achilles tendon. Tendon(s), rupture of, in elderly persons, with diabetes mellitus, 1993:240

Tendon(s) (Continued)

transfers of, for stroke-related deformities, 1994:638

Tendon sheath, fibroma of, epidemiology of, 1993:594

giant cell tumor of, epidemiology of, 1993:598

Tenotomy, for stroke-related deformities, 1994:638

TENS. See Transcutaneous electrical nerve stimulation.

Terbinafine, pharmacology of, 1992:276 Terconazole, pharmacology of, 1992:277 Terry's nails, 1993:67

Tetracaine, as local anesthetic, 1992:354

Tetracyclines, 1992:434–437 adverse effects of, 1992:435–436 antibacterial spectrum of, 1992:434–435 chemistry of, 1992:434 dosage of, 1992:436–437 interactions of, 1992:228–229, 436

mechanism of action of, 1992:434 pharmacokinetics of, 1992:435 resistance to, 1992:435

uses of, 1992:437

Thalamus, nociceptive processing in, 1994:11

Theophylline, interactions of, 1992:230 Theraband exercise, for posterior tibial tendon, 1994:315

Thermal conductivity, zone of, in laser surgery, 1992:548

Thermal injury, in arthroscopy, 1994:533 Thermal therapy, in pain relief, 1992:885

Thermography/thermometry, in acrocyanosis, 1992:147

in peripheral vascular disease, 1993:194– 196, 1993:196–197

in Raynaud's vasospasticity, 1992:144 in reflex sympathetic dystrophy, 1994:78 Thermonociceptors, 1994:2–3

Thermoplastics, for orthosis, 1994:221–222 Thiazide diuretics, interactions of, 1992:233,

Thomas heel, 1994:233

Throbbing pain, in phantom limb, 1994:86–88

Thrombectomy, in arterial occlusive disease, 1992:71

Thromboangiitis obliterans. See Buerger's disease.

Thrombocytopenia, in HIV infection, 1992:833

Thromboembolic disease. See also *Deep* venous thrombosis.

after arthroscopy, 1994:534 arterial occlusive disease in, 1992:69–70 in phlebography, 1992:66–67 lymphedema in, 1992:160–161 Thrombophlebitis, in elderly persons, deep, 1993:216

in peripheral vascular disease, 1993:189, 199–200 plethysmography in, 1993:202

superficial, 1993:216

in vancomycin therapy, 1992:428 Thrombosis, in elderly persons, 1993:189, 197, 213

Thyroid gland, age-related changes in, 1993:13

HIV infection effects on, 1992:832 Tibia to calcaneus angle, in gait analysis,

Tibia to calcaneus velocity, in gait analysis, 1993:508

Tibia to vertical angle, in gait analysis, 1993:507–518

Tibial nerve, posterior, block of, in Raynaud's vasospasticity, 1992:145– 146

Tibial tendon, posterior, exercise for, 1994:315

strength testing of, 1994:315

Tibial tendon procedure, split, for strokerelated deformities, 1994:639

Tinea infections, in elderly persons, 1993:85, 264

in peripheral vascular disease, 1992:119– 121

Tingling pain, in phantom limb, 1994:86–88 Tissue, interaction with lasers. See under Laser(s).

specimens of, HIV transmission from, 1992:925

Tissue welding, lasers in, 1992:736, 1994:496–497

TL-61 composite, for orthosis, 1994:223 Tobacco use. See *Smoking*.

Tobramycin, antimicrobial spectrum of, 1992:445–446

dosage of, 1992:449-451

Toe(s), contractures of, in elderly persons, 1993:102

curled, in stroke, release of, 1994:639 deformities of, in elderly persons, 1993:126–127

fibrous histiocytoma of, 1993:595 fifth, adductovarus deformity of, 1993:127

gout in, 1993:149 Toeing-in/toeing-out deformities, gait plates for, 1994:211-217

Tolazamide, pharmacology of, 1992:251–252

Tolbutamide, pharmacology of, 1992:251–

Tolrestat, in diabetic neuropathy, 1992:263– 264 Tomography, conventional, in bone tumors, 1993:657–659

Topical medications, in elderly persons, 1993:228

Total contact padding, for pressure ulceration, with felt and foam, 1994:340-351

Total contact plaster technique, for pressure ulceration, 1994:339–340, 348 Tourniquet test, in peripheral vascular

disease, 1993:194

Toxic shock syndrome, in elderly persons, 1993:256

Toxic shock-like syndrome, in elderly persons, 1993:257–258

Trabecular prominence, in elderly persons, 1993:105

Trabeculation, in bone tumors, 1993:641 Tract of Lissauer, nociceptive fibers in, 1994:6-7

Traction, of shoe soles, biomechanics of, 1994:254

Training programs, for HIV infection control, 1992:906–914

for laser surgery, 1992:514–515, 655, 764 Transcutaneous electrical nerve stimulation, 1994:120–121, 163–167

acupuncturelike (intense, motor-level), 1994:166

adjuncts to, 1994:167 advantages of, 1994:164

applications of, 1994:164-165

conventional (sensory-level, low-intensity), 1994:165-166

electrodes for, 1994:167

for elderly persons, 1993:275, 1994:50-51 history of, 1994:163-164

in acute pain, 1994:154

in chronic pain, 1994:143 in pain relief, 1992:885

in phantom pian, 1994:97-98

in sensory dysesthesia, 1992:890–891 in sympathetic block, 1994:81 noxious-level, 1994:166–167

side effects of, 1994:164

Transforming growth factors, in ulcer treatment, 1993:342

Transient ischemic attack, gait disorders in, 1993:172–176

with peripheral vascular disease, 1992:6 Transplantation, muscle, angiogenesis in, 1992:195–197

Trauma, arterial occlusive disease in, 1992:70

history of, laser surgery and, 1992:639 lymphedema in, 1992:158–159 shoe therapy for, 1994:262–263

Trazodone, in diabetic neuropathy, 1992:269

Treadmill, in gait analysis, 1993:487 Trendelenburg test, biphasic, in peripheral vascular disease, 1992:14–15

Trental, in phantom pain, 1994:100 Tretinoin, in molluscum contagiosum, 1992:869

Triamcinolone, as injectable, 1992:360–361 in pruritus, 1992:867 in ulcer treatment, 1993:341–342

Triazole antifungal agents, pharmacology of, 1992:276–277

Trichophyton infections, in elderly persons, 1993:263–264

Tricyclic antidepressants, in diabetic neuropathy, 1992:266, 268–269

in pain management, 1994:143 for elderly persons, 1994:49–50 for pediatric patients, 1994:34 in peripheral neuropathy, 1992:870

Trimethoprim-sulfamethoxazole, interactions of, 1992:230

side effects of, 1992:861–862

Trimipramine, in diabetic neuropathy, 1992:269

Truthfulness, in medical ethics, 1992:965 Tuberculosis, in elderly persons, 1993:254– 256

in HIV infection, 1992:825 isolation in, 1992:924 skin lesions in, 1993:86

Tumors. See Bone tumors; Soft-tissue tumors; specific tumor.

angiogenesis in, 1992:192-193 laser surgery in, 1992:555-556

bone, 1992:729, 731

plume dissemination of, 1992:550, 775 Tuning fork, in tarsal tunnel syndrome

evaluation, 1994:610 Turner's syndrome, lymphedema in, 1992:156

Tyloma, in elderly persons, 1993:75–76, 122, 124

Type D heel stabilizer, for angle-of-gait problems, 1994:214, 216

Type E heel stabilizer, for angle-of-gait problems, 1994:216

Ulceration, 1992:709-719 diabetic, 1992:711-712 in elderly persons, 1993:83-84, 132-133, 327-353 arterial ischemic, 1993:345-349 assessment of, 1993:333-335

assessment of, 1993:333–335 clostridial infection in, 1993:262 decubitus, 1993:262, 349–350

description of, 1993:331-333

Ulceration (Continued) diagnosis of, arterial ischemic, 1993:347-348 decubitus, 1993:349 neuropathic, 1993:344 venous stasis, 1993:337 healing and, 1993:327-331 history of, 1993:331 neuropathic, 1993:343-345 pathophysiology of, arterial ischemic, 1993:346-347 decubitus, 1993:349 neuropathic, 1993:343 venous stasis, 1993:336-337 presentation of, arterial ischemic, 1993:345-346 decubitus, 1993:349 neuropathic, 1993:343 venous stasis, 1993:335-336 pressure sores, 1993:349-350 prevention of, 1993:350-351 symptoms of, arterial ischemic, 1993:347 decubitus, 1993:349 neuropathic, 1993:343 venous stasis, 1993:337 treatment of, arterial ischemic, 1993:348-349 decubitus, 1993:350 guidelines for, 1993:327 neuropathic, 1993:344-345 venous stasis, 1993:337-343 trophic, 1993:346 venous stasis, 1993:335-343 with diabetes mellitus, 1993:244-245 in hallux abducto valgus deformity, sur-

gical correction of, 1994:647–654 in HIV infection, 1992:841 in peripheral vascular disease, 1992:11– 13, 81–82, 118–119

livedo reticularis, 1992:148–150 plethysmography of, 1992:48–49 venous stasis, 1992:103–104

laser treatment of, 1992:556, 712–714, 718–719

microorganisms in, 1992:714, 718 pressure, 1994:338–352

in elderly persons, 1993:262, 349–350 prevention of, shoe therapy for, 1994:262

treatment of, history of, 1994:339 total contact padding for, 1994:340– 351

total contact plaster technique for, 1994:339-340, 348

pressure measurement in, 1993:467 skin histopathology and, 1992:710–712 Ultrasonography, as heat therapy for pain, 1994:116–117 Doppler, in deep venous thrombosis, 1992:95–96

in musculoskeletal problems, in HIV infection, 1992:887

in pain relief, 1992:885

in tumor evaluation, 1993:612 soft-tissue, 1993:619-621

of Morton's neuroma, 1992:672–674 Ultraviolet radiation therapy, for elderly persons, 1993:275

for folliculitis, 1992:868

Unicameral bone cyst, differential diagnosis of, 1993:649, 705 epidemiology of, 1993:590

Universal Precautions Policy, 1992:903, 929–930

compliance with, research on, 1992:945-947

legal aspects of, 1992:979–980 Unna boot, in ulceration, 1993:338 in venous stasis, 1992:104, 1993:338

Ureidopenicillins, antimicrobial spectrum of, 1992:389–393

Urinary incontinence, in elderly persons, 1993:29-30

Urticaria, from narcotics, 1994:32

Vaccination, for hepatitis B, 1992:906, 913 Valgus deformity, computer evaluation of, 1993:370

rearfoot, identification of, 1994:186 orthosis for, 1994:197

Valvuloplasty, in venous reconstruction, 1992:105

Vancomycin, 1992:425–430 adverse effects of, 1992:427–428 antimicrobial spectrum of, 1992:426 chemistry of, 1992:425–426 interactions of, 1992:428–429 mechanism of action of, 1992:426 pharmacokinetics of, 1992:426–427 resistance to, 1992:426

serum concentration monitoring of, 1992:429–430

uses of, 1992:430

Vaporation, zone of, in laser surgery, 1992:548

Vaporization, of tissue, depth of, 1992:534, 536-537

mass of, 1992:534-535 speed of, 1992:546-547

Varicose veins, in elderly persons, 1993:190–191, 216

in venous insufficiency, chronic, 1992:101 deep, 1992:102–105 superficial, 1992:101–102 Varus deformity, computer evaluation of, 1993:370

forefoot, orthosis for, 1994:208 in stroke, 1994:637, 639

rearfoot, identification of, 1994:185-186 orthosis for, 1994:197, 208

Vascular competence, preoperative assessment of, 1992:636

Vascular disorders, bone tumors, epidemiology of, 1993:588–589 heel pain in, 1993:117 in HIV infection, 1992:845 laser treatment of, 1992:690, 693–694, 696 peripheral. See Peripheral vascular disease. skin manifestations of, 1993:83–84 soft-tissue tumors, epidemiology of, 1993:597–598

Vascular system, aging effects on, 1993:209 evaluation of. See Peripheral vascular disease, in elderly persons, evaluation of.

Vasoconstrictive agents, with local anesthetics, 1992:354–356 Vasodilators, in peripheral vascular

disease, with diabetes, 1992:133 Vasomotor tone, physiology of, 1992:14

Vasomotor tone, physiology of, 1992:140-141

Vasospastic disorders, 1992:139–150 acrocyanosis, 1992:146–148 livedo reticularis, 1992:148–150 microcirculation physiology and, 1992:139–140

1992:139–140
pathogenesis of, 1992:141
plethysmography in, 1993:202
Raynaud's, 1992:142–146
skin temperature in, 1993:195
sympathetic overload findings with,
1992:141–142

vasomotor tone and, 1992:140–141 vs. organic disease, 1992:47–49

Vector System, for gait analysis, 1993:485–

advantages of, 1993:485–486 case report of, 1993:490–492 disadvantages of, 1993:485–486 for patient education, 1993:490 in hospital setting, 1993:499 indications of, 1993:490 limitations of, 1993:492 overview of, 1993:487–489 quantitative information from,

1993:487 vs. static measurement systems, 1993:486–487

Vein(s), disorders of. See also Deep venous thrombosis; Thromboembolic disease. in elderly persons, 1993:215–217 evaluation of, 1993:199–200, 337 varicose, in elderly persons, 1993:190– 191, 216 Vena caval filter, in pulmonary embolism, 1992:99-100

Venography. See Phlebography.

Venous filling time, in peripheral vascular disease, 1992:13–14, 1993:193

Venous insufficiency, chronic, 1992:101 deep, 1992:102–105

in elderly persons, 1993:190-191 chronic, 1993:217

skin appearance in, 1992:119 superficial, 1992:101-102

Venous mechanical pump, in venous stasis, 1993:338–339

Venous pressure, measurement of, 1992:103 Venous recovery time, measurement of, 1992:103

Venous return, improvement of, in stasis, 1993:338–339

Venous stasis, 1992:103-105

Venous stasis ulcers, in elderly persons, diagnosis of, 1993:337 pathophysiology of, 1993:336–337 presentation of, 1993:335–336 symptoms of, 1993:337

treatment of, 1993:337-343 Venous system, hemodynamics of, 1992:91-92

Venous tests, in peripheral vascular disease, 1992:14-15

Verrucae, classification of, 1992:660–661 clinical presentation of, 1992:661–662 histopathology of, 1992:583–585, 661 in elderly persons, 1993:87, 267 in HIV infection, 1992:830, 843, 869 laser surgery in, 1992:551–553, 659–669, 699–707

complications of, 1992:667–668 physics of, 1992:660

mosaic, 1992:661-662

onychial, 1993:61 recurrence of, 1992:667

treatment of, 1992:662-667

Vestibular function, age-related changes in, 1993:15

Vidarabine, in herpes simplex virus infection, 1992:869

Video equipment, in gait analysis, 1993:476–478

Motion Analysis System for, 1993:501– 527

PEAK Rearfoot Clinical Assessment System for, 1993:529-538

Vector System for, 1993:485–500 in surgical planning, OrthoGraphics System for, 1993:539–549

Vinblastine, in Kaposi's sarcoma, 1992:870 Viral infections, in elderly persons, 1993:265–267

in HIV infection, 1992:843-844

Viral infections (Continued) of skin, 1993:86-87

Viruses, in laser plume, 1992:549-550, 667-668, 774-775

Vision, age-related changes in, 1993:14-15 Vital capacity, age-related changes in, 1993-8

Vitamins, wound healing and, 1993:330 Volkmann contractures, in prolonged compartment syndromes, 1994:598-599

Volume of distribution (Vd), of drugs, 1992:215-216

Volume pulse recordings, in peripheral vascular disease, 1992:49-52

Voluntary active exercise, in elderly persons, 1993:275 Vomiting, from narcotics, 1994:32

von Recklinghausen's disease, epidemiology of, 1993:599

Vulpius-Stoffel procedure, for Achilles tendon lengthening, 1992:802

White procedure, for Achilles tendon lengthening, 1992:803 Whitman brace, 1994:231-233 Whitman/Roberts brace, 1994:231-239 Wide-dynamic-range neurons, in reflex

sympathetic dystrophy, 1994:76 Windlass effect, orthosis function and. 1994:289-290

Winograd matrixectomy, laser, 1992:643, 1992:646

World Health Organization, tumor classification system of, 1993:581 Wound Assessment Form, for ulcer

assessment, 1993:334 Wound healing, angiogenesis in, 1992:190-

drug effects on, 1993:330-331 nutritional aspects of, 1993:329–330 physiology of, 1993:327–329 Wound Risk Severity Profile Form, for

ulcer assessment, 1993:333-334

Walking, as exercise therapy, in peripheral vascular disease, 1992:182

vs. running, in gait analysis, 1993:511-514, 519

Warfarin, in deep venous thrombosis, 1992:97-100

interactions of, 1992:230-231, 314-315 Warts. See Verrucae.

Waste disposal, in HIV transmission prevention, 1992:906, 911-912, 920

Water baths, in pain management, 1994:119 Water exercise, in peripheral vascular

disease, 1992:182 Watson-Jones procedure, for lateral ankle stabilization, 1994:410, 413

Weight loss, in HIV infection, 1992:873-876 Weight-bearing cast, computer scanning for, 1993:368

West Haven-Yale Multidimensional Pain Inventory, 1994:140

Western blot assay, in HIV testing, 1992:897

Whirlpool baths, bacterial contamination of, 1993:259-260

for elderly persons, 1993:274-275 in pain management, 1994:118-119 Xanthoma, 1993:94

Xenon chloride laser, in skin lesion treatment, 1992:611, 688

Xenon fluoride laser, in skin cancer treatment, 1992:611-612

Xeroradiography, of tumors, 1993:618-619 Xerosis, in elderly persons, 1993:80-81 in HIV infection, 1992:867

Zero-order elimination, of drugs, 1992:216-

Zidovudine, in HIV infection, 1992:858-860 Zidovudine (Azidothymidine, AZT), in HIV infection, 1992:858-860

Zidovudine (azidothymidine), in HIV infection, 1992:858–860

Zimmer foot strap, for distraction, in ankle arthroscopy, 1994:503

Zomepirac, for postoperative pain, 1994:61 Zone of necrosis, in laser surgery, 1992:548, 767-768

Zone of thermal conductivity, in laser surgery, 1992:548

Zone of vaporation, in laser surgery, 1992:548

Zoster infections, in elderly persons, 1993:86-87, 266

